

SLIPPERY ROCK UNIVERSITY 2025-2026 UNDERGRADUATE CATALOG



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- Theatre, Bachelor of Arts (BA) - Concentration in Acting (p. 797)
- Theatre, Bachelor of Arts (BA) - Concentration in Design & Technology (p. 800)
- Theatre, Bachelor of Arts (BA) - Concentration in Theatre Arts Management (p. 803)
- Theatre, Bachelor of Arts (BA) - Concentration in Theatre Studies (p. 806)

Minors

A

- Accounting, Minor (for BSBA and HCAM students only) (p. 41)
- Actuarial Science, Minor (p. 371)
- Adapted Physical Activity, Minor (p. 125)
- Adventure Fitness, Minor (p. 126)
- American Politics, Minor (p. 776)
- Animal Assisted Interventions, Minor (p. 563)
- Anthropology, Minor (p. 681)
- Aquatics, Minor (p. 126)
- Arabic, Minor (p. 706)
- Art - Graphic Design for Communications Majors, Minor (p. 583)
- Art for Elementary Education Majors, Minor (p. 584)
- Art History, Minor (p. 585)
- Art, Minor (p. 627)
- Asian Studies, Minor (p. 707)

B

- Biology, Minor (p. 262)
- Business Administration, Minor (Non-BSBA Majors) (p. 42)
- Business Analytics, Minor (p. 42)
- Business Management Pre-MBA, Minor (Non-Business Majors Only) (p. 43)

C

- Chamber Music Performance, Minor (p. 729)
- Chemistry, Minor (p. 290)
- Cognitive Science, Minor (p. 703)
- Communication - Graphic Design, Minor (Art Majors Only) (p. 91)
- Comparative Politics/International Relations, Minor (p. 777)
- Computing, Minor (p. 304)
- Criminology, Minor (p. 642)
- Cybersecurity, Minor (p. 312)

D

- Dance: Pedagogy, Minor (p. 655)
- Dance: Performance, Minor (p. 656)

E

- Economics, Minor (BSBA Majors Only) (p. 50)
- Economics, Minor (Non BSBA Majors) (p. 50)

- Elementary School Mathematics, Minor (p. 372)
- Entrepreneurship, Minor (p. 51)
- Environmental Communication and Heritage Interpretation, Minor (p. 384)
- Environmental Science, Minor (p. 354)
- Environmental Studies, Minor (p. 355)
- Esports, Minor (p. 86)
- Ethics, Minor (p. 770)
- European History, Minor (p. 675)

F

- Film and Media Studies, Minor (p. 669)
- Finance, Minor (for BSBA and HCAM students only) (p. 55)
- Forensic Accounting, Minor (p. 55)
- Forensics and Criminal Justice, Minor (p. 643)
- Fraud, Minor (p. 366)
- French, Minor (p. 708)

G

- Gender Studies, Minor (p. 672)
- General History, Minor (p. 676)
- Geographic Information Technology, Minor (p. 356)
- Geology, Minor (p. 357)
- Geophysics, Minor (p. 358)
- Gerontology, Minor (p. 535)
- Global Education, Minor (p. 124)

H

- HCAM, Minor (p. 488)
- Health Informatics, Minor (p. 312)
- Homeland Security, Minor (p. 370)
- Hospitality and Tourism Management, Minor (p. 59)
- Human Resource Management, Minor (BSBA and HCAM Majors) (p. 61)
- Human Resource Management, Minor (Non-BSBA Majors) (p. 61)

I

- Information Systems, Minor (p. 66)
- Internal Audit, Minor (p. 67)
- International Affairs, Minor (p. 778)

L

- Leadership, Minor (p. 704)
- Literature, Minor (p. 670)

M

- Management, Minor (BSBA majors) (p. 79)
- Marine Science, Minor (p. 263)
- Marketing, Minor (p. 85)
- Mathematics, Minor (p. 381)
- Meteorology, Minor (p. 358)
- Middle Level Education, Minor (p. 149)
- Middle School Mathematics, Minor (p. 381)

- Music and Wellness, Minor (p. 734)
- Music Education, Minor (p. 741)
- Music Education: Early Childhood, Minor (p. 742)
- Music Education: Marching Arts, Minor (p. 743)
- Music History, Minor (p. 745)
- Music, Minor (p. 764)
- Music-Voice, Minor (p. 765)

N

- Non-Western History, Minor (p. 680)
- Nonprofit Management in Art, Minor (p. 635)

O

- Organizational Security, Minor (p. 371)

P

- Philanthropy and Nonprofit Management, Minor (p. 701)
- Philosophy, Minor (p. 775)
- Physical Education - Coaching, Minor (p. 147)
- Physics, Minor (p. 396)
- Political Science, Minor (p. 788)
- Professional French, Minor (p. 726)
- Professional Japanese, Minor (p. 726)
- Professional Spanish, Minor (p. 727)
- Psychology, Minor (p. 534)
- Public Health, Minor (p. 562)

R

- Recreational Therapy, Minor (p. 578)

S

- Secondary School Mathematics, Minor (p. 382)
- Social Work, Minor (p. 582)
- Sociology, Minor (p. 702)
- Spanish, Minor (p. 728)
- Special Education, Minor (p. 188)
- Sport Management, Minor (p. 90)
- Statistics, Minor (p. 383)
- Strategic Communication and Media, Minor (p. 113)
- Sustainable Management, Minor (BSBA majors only) (p. 86)

T

- Theatre, Minor (p. 809)

U

- United States History, Minor (p. 680)
- User Experience & Interface Design, Minor (p. 114)

W

- Wellness, Minor (p. 148)
- Writing, Minor (p. 671)

Certificates

A

- Accounting, Certificate (p. 40)
- Applied History, Certificate (p. 674)
- Art: Ceramics, Certificate (p. 628)
- Art: Digital Media, Certificate (p. 628)
- Art: Drawing, Certificate (p. 629)
- Art: Fiber Art, Certificate (p. 630)
- Art: Graphic Design, Certificate (p. 631)
- Art: Metalsmithing, Certificate (p. 631)
- Art: Painting, Certificate (p. 632)
- Art: Photography, Certificate (p. 633)
- Art: Printmaking, Certificate (p. 633)
- Art: Sculpture, Certificate (p. 634)
- Asian Studies, Certificate (p. 707)

B

- Big Data Science, Certificate (p. 293)

C

- Creative Writing and Book Arts, Certificate (p. 657)
- Criminal Justice and Spanish Cultural & Language Competency, Certificate (p. 635)
- Culturally Relevant and Sustaining Music Education, Certificate (p. 733)

D

- Diversity and Inclusion, Certificate (p. 682)

F

- Fraud, Certificate (p. 365)

G

- Geographic Information Science, Certificate (p. 356)
- Global and Intercultural Communication, Certificate (p. 91)
- Global Learning and Cultural Competence - Japanese Studies, Certificate (p. 709)
- Global Learning and Cultural Competence - Professional Spanish, Certificate (p. 709)

H

- Hispanic Serving Non-Profit Organizations, Certificate (p. 683)
- Homeland Security, Certificate (p. 369)
- Hospitality Management, Certificate (p. 59)
- Human Resource Management, Certificate (p. 60)
- Humanities and Health, Certificate (p. 770)

L

- Latin American Studies, Certificate (p. 710)
- Living Well, Certificate (p. 147)

M

- Managing Nonprofit Organizations Serving the LGBTQIA+ Community, Certificate (p. 700)
- Middle Eastern Studies, Certificate (p. 710)

O

- Organizational Security, Certificate (p. 370)

P

- Philanthropy and Non-Profit Management, Certificate (p. 701)

R

- Re-Entry Nonprofit Organization, Certificate (p. 702)

S

- Spanish Language & Cultural Awareness for Healthcare, Certificate (p. 727)
- Sustainability, Certificate (p. 359)

T

- Theatre Arts Management, Certificate (p. 795)

W

- Writing for the Nonprofit Sector, Certificate (p. 703)

Rock Integrated Studies 2 Program

The Rock Integrated Studies 2 Program ("Rock Studies 2") at Slippery Rock University is the general education requirement for all undergraduate students in all majors at the University.

The purpose of a general education program is to introduce you to a broad range of knowledge in addition to the material you learn in your major. It includes 42 credits of the required 120 minimum credits required for graduation. There are three parts to the Rock Studies 2 program:

- The Rock
- Integrated Inquiry
- Thematic Threads

Educating students to be life-long learners is part of the mission of Slippery Rock University.

The Rock Studies 2 Program is unique as a general education program because it provides thematic interdisciplinary connections to guide you toward thinking critically and creatively, and to use knowledge from diverse places as they confront and analyze issues and problems.

The program under which you enter is the program that you will follow through to graduation. Students may not transfer between programs.

PROGRAM OUTCOMES:

1. Demonstrate knowledge of human cultures, diversity, and the physical and natural world, including:
 - a. the sciences;
 - b. mathematics;
 - c. social sciences;

- d. humanities;
 - e. history;
 - f. language; and
 - g. the arts.
2. Demonstrate intellectual and practical skills, including:
 - a. apply the processes of inquiry and analysis;
 - b. think critically;
 - c. think creatively;
 - d. develop and express ideas in writing;
 - e. develop and express ideas orally;
 - f. apply quantitative reasoning skills;
 - g. apply information literacy skills;
 - h. solve problems; and
 - i. extract meaning from written texts.
 3. Practice personal and social responsibility, including:
 - a. demonstrate knowledge of diverse experiences, cultures, and identities from a systemic perspective;
 - b. engage in ethical reasoning;
 - c. utilize foundations and skills for lifelong learning;
 - d. engage in global learning;
 - e. practice civic knowledge and engagement – local and global; and
 - f. digital literacy.
 4. Engage in integrative and applied learning.

Rock Studies 2 Program

ROCK STUDIES 2 PROGRAM REQUIREMENTS

The Rock Studies 2 Program at Slippery Rock University is the general education requirements for all academic majors for incoming freshman. Since some majors prescribe specific courses within each category, student should use this guide along with the curriculum guide and the My Rock Audit to make course selections in consultation with their adviser.

THE ROCK (15 CREDITS)

THE ROCK

Code	Title	Hours
SUBJ 139	Foundations of Academic Discovery ^{1,2}	3
ENGL 102	Critical Writing ¹	3
ENGL 104	Critical Reading ¹	3
MATH 117	Quantitative Reasoning ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice ¹	
PHIL 110	Ethics and Civil Discourse ¹	
POLI 235	Civil Discourse and Democracy ¹	

¹ The Rock courses graded on A, B, C, NC basis.

² Course cannot be taken in first major subject area; course is waived for transfer and readmitted students with 24 or more credits; repeats do not have to be from the same subject area.

INTEGRATED INQUIRY (15 CREDITS) ³ CREATIVE AND AESTHETIC INQUIRY (3 CREDITS)

Code	Title	Hours
ART 130	Visual Art Inquiry	3
DANC 130	Dance: Art and Culture	3
MUSI 130	Exploring Music	3
THEA 130	Art of Theatre	3

HUMANITIES INQUIRY (3 CREDITS)

Code	Title	Hours
ENGL 180	Society on the Screen	3
GNDR 180	Gender and Social Justice	3
HIST 180	Spotlight on the Past	3
MODL 180	Introduction to World Cultures	3
PHIL 180	Philosophical Inquiry	3

SOCIAL SCIENCE INQUIRY (3 CREDITS)

Code	Title	Hours
COMM 170	Communicology	3
CRIM 170	Crime: Why Do We Do It?	3
GES 170	Discover Geography	3
HSS 170	Lenses of Catastrophe	3
INDP 170	Making Sense of Our Social World	3
PHED 168	Physical Activity and Wellbeing in Society	3
POLI 170	Investigating Politics	3
SOWK 170	Cultural Competence and Social Change	3

NATURAL SCIENCES INQUIRY (3 CREDITS)

Code	Title	Hours
SCI 101	Science of Life	3

PHYSICAL SCIENCES INQUIRY (3 CREDITS)

Code	Title	Hours
SCI 102	Understanding the Physical World	3

³ May take Integrated Inquiry courses in first major subject area; repeats do not have to be from same subject area.

THEMATIC THREADS (12 CREDITS)

THEMATIC THREADS

- Students should declare a thread in consultation with their academic adviser.
- Six credits must be 300-level or above.
- No more than 4 credits from one subject area.
- Specific courses required in first major, regardless of prefix of course, cannot also be used to satisfy thread requirements.
- Any course with same prefix as student's first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.
- Courses can share with second majors /concentrations, minors, and certificates.
- Students may take more than one thread, but courses cannot be shared between threads.

- Citizenship and Social Problems (p. 20)
- Conservation, Technology and Imagination (p. 22)
- Cultural Literacy and Community Building (p. 23)
- Human Diversity and Well-Being (p. 25)
- Institutions and Human Innovation (p. 27)
- The United States in Global Context (p. 29)

IMPORTANT INFORMATION

POLICY AND PROCEDURE NOTES:

- Students must earn a total of 42 credits in Rock Studies 2 coursework.
- Students exempted from any Rock Studies 2 category must still earn a total of 42 credits in Rock Studies 2 coursework.
- Students may use Rock Studies Thematic Thread courses to complete a second major, minor, or certificate.
- Pass/No Credit courses may not be used to satisfy any Rock Studies 2 Requirement.
- Students who withdraw from the university and then return are responsible for the Rock Studies 2 requirements in effect the time of their return.

GRADUATION REQUIREMENTS:

- All undergraduate degree programs require a minimum of 120 credits.
- Thirty of the final 60 credits prior to graduation must be earned at SRU. In addition, individual departments may establish residency requirements for their majors and minors. Students should check with their academic adviser to determine the requirements for the academic program.
- Students must complete a minimum of 42 credits of Rock Studies 2 Coursework.
- All degrees require the completion of a minimum of 48 credit hours of upper division course work defined as any 100-or-200-level course with two or more 3-credit prerequisite courses (including sequential prerequisites, but not including basic competency courses or exams) and any 300- and 400-level courses. At least 24 of the 48 credits must be completed at Slippery Rock University.
- Bachelor of Arts degrees require language proficiency at the 103-class level. Exemption by placement or examination is offered.
- Students must complete at least 45 credits at SRU to be considered for Latin Honors at the point of graduation.
- Students who wish to earn two degrees must complete 150 credits, all requirements for both degrees, and meet the language requirement if one of the degrees is a BA. Students only need to meet the Rock Studies requirement for the first degree/major.

TRANSFER STUDENTS:

- New transfer students follow the Rock Studies 2 Program requirements beginning in Summer 2022.
- Transfer courses valued as a percentage: 2.33, 2.5, etc. may be used to meet requirements, however, students must still earn a total of 42 Rock Studies 2 credits.
- Students transferring 24 or more credits are exempt from Foundations of Academic Discovery.
- Transfer students must still earn a total of 42 credits in the Rock Studies 2 program, unless the criteria of general education

completion is met as defined in the Board of Governors Policy 1999-01-A The Student Transfer Policy.

DIVERSITY, EQUITY, AND INCLUSION (DEI):

All students must complete a course with the “DEI Diversity, Equity and Inclusion” attribute before they graduate from SRU. The DEI course can come from any department and can be used anywhere in your degree requirements.

BEGINNING ALGEBRA (ESAP 110):

All students must demonstrate competency through appropriate high school coursework or the ALEKS placement test. If competency is not met, students must complete Beginning Algebra and complete 123 credits for graduation.

READMITTED STUDENTS:

- Students readmitted to the university follow the Rock Studies 2 Program requirements.
- Students with at least 24 or more credits are exempt from Foundations of Academic Discovery.

Citizenship and Social Problems

This thread considers the complex needs and demands of different societies. Students will evaluate the effectiveness of policies at remedying social problems, and to see the connections between policies that prioritize multicultural inclusion and the existence of a healthy civil society. Some courses will connect past policies and practices to the ongoing effects of racism, homophobia, misogyny, classism, and/or other inequalities in contemporary society.

Thread Outcomes:

- Students will be able to analyze the complex needs and demands of disparate societies. (UG 02)
- Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 05)
- Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 02)

CURRICULUM GUIDE

- Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ARAB 101	Arabic Language and Culture I	
ARAB 102	Arabic Language and Culture II	
ARAB 103	Arabic Language and Culture III	
ARAB 215	Topics in Arabic Culture	
ART 105-114	Basic Studio	
ART 205-214	Basic Studio	
BIOL 300	Social and Ethical Issues in Genetics	
CDEV 248	Human Development and Education	
CDEV 251	Mental Health in America	
CHEM 204	Introduction to Forensic Science	

COMM 215	Small Group Communication
CPSC 102	Collaborative Information Technology and Society
CRIM 110	Introduction to Criminology & Criminal Justice Systems
CRIM 326	Victimology
CRIM 327	Criminal Justice and the Multicultural Community
CRIM 328	Transnational Crime & Justice
CRIM 333	Crime, Justice and Society
CRIM 345	Juvenile Delinquency
CRIM 380	Women & the Criminal Justice System
CRIM 468	Crime & Media
CSS 351	Fraud
CSS 352	Law & Ethics in the Workplace
CYBR 101	Cybersecurity in the Era of Evolving Technology
DANC 318	Dance in the Political World
ECON 201	Principles of Macroeconomics
ECON 202	Principles of Microeconomics
EVGE 100	Environmental Geology
ENGL 242	African-American Literature
ENGL 243	Literature of the Women's Movement
ENGL 314	European Film
ENGL 316	Asian Film
ENGL 410	Literature of the Environment
FREN 101	French Language and Culture I
FREN 102	French Language and Culture II
FREN 103	French Language and Culture III
GERT 425	Women and Aging
GES 135	Introduction to Environmental Problems
GES 235	Conservation
GES 344	Environmental Justice
GES 355	Earth's Changing Climate
GES 362	Applications in Sustainability
GNDR 115	Introduction to Gender Studies
HCAM 230	US Healthcare Systems
HIST 151	Ancient World to the Age of Global Encounters
HIST 152	Early Modern to Contemporary World
HIST 201	Colonial US to the Civil War Era
HIST 202	US Civil War Era to Present
HIST 313	U.S. Manhood and Masculinities
HIST 323	African American History to 1876
HIST 324	African American History Since 1876
HIST 326	The Long Civil Rights Movement
HIST 358	American Popular Culture, 1865 to the Present
HIST 426	French Revolution and Napoleon
HLTH 101	Personal Health
HLTH 211	Women's Health Issues
HSS 120	Introduction to Homeland Security
INDP 103	Contemporary Social Problems

INDP 104	Principles of Sociology
INDP 106	Race and Ethnic Diversity in the USA
INDP 323	Deviant Behavior
INDP 342	Sociology of Aging
JAPN 101	Japanese Language and Culture I
JAPN 102	Japanese Language and Culture II
JAPN 103	Japanese Language and Culture III
LEAD 251	Leadership Theory
LEAD 350	Multicultural Leadership
LEAD 352	Self Leadership
MUSI 1XX/2XX	Music Ensembles ¹
NLPA 101	Introduction to Nonprofit Management
NLPA 120	Civic Engagement and Community Decision-Making
NLPA 305	Financial Best Practices for Decision Makers
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising
PHED 342	Wellness through Movement
PHIL 101	Introduction to Philosophy
PHIL 123	Ethics
PHIL 140	World Religions
PHIL 324	Environmental Ethics
PHIL 331	Social and Political Philosophy
PHIL 335	Philosophy of Law and Justice
PHIL 341	Philosophy of Religion
PHIL 372	Modern Western Philosophy
PHIL 375	Existentialism and Phenomenology
POLI 101	American National Government
POLI 103	International Relations
POLI 215	Introduction to Political Theory
POLI 223	Law and Courts
POLI 255	Introduction to Public Policy
POLI 303	Seminar in Democracy
POLI 333	The Political Film
POLI 351	Politics of Race
POLI 357	Civil Liberties and Civil Rights
POLI 364	Using Evidence to Solve Public Problems
PSYC 105	Introduction to Psychology
PSYC 302	Psychology of Criminal Behavior
RCTH 120	Disability, Community Inclusion, and Diversity
SOWK 105	Human Diversity
SOWK 230	Social Justice and Equality
SOWK 300	Crisis Intervention
SPAN 101	Spanish Language & Culture I
SPAN 102	Spanish Language & Culture II
SPAN 103	Spanish Language & Culture III
SPAN 121	Spanish for Health Professionals
STAT 152	Elementary Statistics I

Total Hours**12**

- ¹ Select one ensemble: MUSI 109, MUSI 113, MUSI 114, MUSI 115, MUSI 116, MUSI 117, MUSI 118, MUSI 119, MUSI 120, MUSI 121, MUSI 122, MUSI 123, MUSI 124, MUSI 125, MUSI 126, MUSI 192, MUSI 193, MUSI 194, MUSI 196, MUSI 209, MUSI 213, MUSI 214, MUSI 215, MUSI 216, MUSI 217, MUSI 218, MUSI 219, MUSI 220, MUSI 221, MUSI 222, MUSI 223, MUSI 224, MUSI 225, MUSI 226, MUSI 237, MUSI 239, MUSI 292, MUSI 293, MUSI 294, MUSI 296
- ² Select one from: ART 105, ART 106, ART 107, ART 108, ART 109, ART 110, ART 111, ART 112, ART 113, ART 114
- ³ Select one from: ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213, ART 214
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Citizenship and Social Problems Thematic Thread (CISP)/CIM 116

Revised 07.01.2025

UCC: 04.01.2025

Conservation, Technology and Imagination

This thread examines the impact of changing technologies on social organization, culture, and human well-being. Some courses will explore the relationships between people and the non-human world through creative and/or scientific lenses. Other courses will explore technological and environmental challenges facing society and even develop imaginative responses.

Thread Outcomes:

- Students will be able to explain connections between conservation, technology, and imagination. (UG 02)
- Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 05)
- Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 02)

CURRICULUM GUIDE

- Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ART105-114	Basic Studio	
ART205-214	Basic Studio	
ART 225	Overview of Western Art	
ART 226	Overview of World Art	
ART 335	The Renaissance Tradition	
ART 355	Early Modern Art	
BIOL 105	Environmental Biology	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 300	Social and Ethical Issues in Genetics	
CDEV 248	Human Development and Education	
COMM 110	Communication Concepts	
COMM 115	Visual Literacy	
COMM 217	Intercultural Communication	
COMM 263	Media and Society	
COMM 405	Global Media	
COMM 419	Propaganda	
COMM 458	Media Criticism	
COMM 480	The Communication Age	
CPSC 102	Collaborative Information Technology and Society	
CPSC 300	Challenges of Computer Technology	
CSS 351	Fraud	
CSS 352	Law & Ethics in the Workplace	
CYBR 101	Cybersecurity in the Era of Evolving Technology	
DANC 125	Experiencing Dance: Techniques and Styles	
DANC 305	Society and Social Dance	
ECON 201	Principles of Macroeconomics	
EVGE 100	Environmental Geology	
EVGE 131	Oceanography	
ENGL 205	Introduction to Professional Writing	
ENGL 214	Introduction to Film Analysis	
ENGL 220	Introduction to Literary and Cultural Studies	
ENGL 312	Introduction to Shakespeare	
ENGL 314	European Film	
ENGL 315	The Cinematic Review: Historical and Critical Writing	
ENGL 338	Creative Writing: Creative Nonfiction	
ENGL 402	World Literature	
ENGL 410	Literature of the Environment	
ENGL 411	Science Fiction	
ENGL 429	Grant and Proposal Writing	
EXER 204	Introduction to Esports	
EXER 250	Medical Terminology	
EXER 305	The Truth About Weight Loss	
FINA 200	Personal Financial Planning	
FINA 341	Entrepreneurial Finance	
GES 115	Introduction to Geospatial Technologies	
GES 135	Introduction to Environmental Problems	

GES 215	Planning for Sustainable Communities
GES 235	Conservation
GES 324	Environmental Law and Policy
GES 355	Earth's Changing Climate
GES 362	Applications in Sustainability
HEMT 114	Sustainability in Food and Hospitality
HIST 152	Early Modern to Contemporary World
HIST 202	US Civil War Era to Present
HIST 318	Gender and Sexuality in European Society
HIST 358	American Popular Culture, 1865 to the Present
HIST 364	History of Medicine
HLTH 211	Women's Health Issues
HSS 120	Introduction to Homeland Security
LEAD 101	Introduction to Leadership
LEAD 353	Teambuilding for Leaders
LEAD 354	Strategic Planning and Decision Making for Leaders
MGMT 370	Sustainable Entrepreneurship and Innovation
MIS 300	Challenges of Computer Technology
MUSI 1XX/2XX	Music Ensembles ³
MUSI 3XX/4XX	Music Ensembles ⁴
NLPA 320	Community Change and Development
NLPA 328	Program Design and Evaluation in Nonprofit and Governmental Organizations
PCRM 104	Foundations in Sustainability
PHED 335	Science of the Mind-Body Connection
PHIL 113	Formal Logic
PHIL 123	Ethics
PHIL 140	World Religions
PHIL 170	American Philosophy
PHIL 324	Environmental Ethics
PHIL 326	Business Ethics
PHIL 338	Ethics, Technology, and the Future
PHIL 343	Asian Philosophy
PHIL 351	Philosophy of Natural Science
PHIL 362	Philosophy of Mind
PHIL 375	Existentialism and Phenomenology
PHYS 317	Space Science
POLI 333	The Political Film
POLI 365	International Political Economy
POLI 369	Politics of Developing Areas
PSYC 105	Introduction to Psychology
PSYC 205	Environmental Psychology
PSYC 208	Personality
RCTH 364	Biomechanics of Individuals with Disabilities
SOWK 105	Human Diversity
STAT 152	Elementary Statistics I
THEA 131	Fundamentals of Acting
THEA 132	Stagecraft
THEA 215	Drawing/Drafting/CAD

THEA 235	Costume Technology
THEA 335	Costume Design and History
THEA 359	Studies in Audience Development
THEA 392	History of Musical Theatre
THEA 393	History of Theatre Design and Architecture

Total Hours **12**

¹ Select one from:

ART 105, ART 106, ART 107, ART 108, ART 109, ART 110, ART 111, ART 112, ART 113

² Select one from:

ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213, ART 214

³ Select one Music Ensemble at the 100/200 level:

MUSI 109, MUSI 113, MUSI 114, MUSI 115, MUSI 116, MUSI 117, MUSI 118, MUSI 119, MUSI 120, MUSI 121, MUSI 122, MUSI 123, MUSI 124, MUSI 125, MUSI 126, MUSI 192, MUSI 193, MUSI 194, MUSI 196, MUSI 209, MUSI 213, MUSI 214, MUSI 215, MUSI 216, MUSI 217, MUSI 218, MUSI 219, MUSI 220, MUSI 221, MUSI 222, MUSI 223, MUSI 224, MUSI 225, MUSI 226, MUSI 237, MUSI 239, MUSI 292, MUSI 293, MUSI 294, MUSI 296

⁴ Select one Music Ensemble at the 300/400 level:

MUSI 309, MUSI 313, MUSI 314, MUSI 315, MUSI 316, MUSI 317, MUSI 318, MUSI 319, MUSI 320, MUSI 321, MUSI 322, MUSI 323, MUSI 324, MUSI 325, MUSI 326, MUSI 392, MUSI 393, MUSI 394, MUSI 396, MUSI 409, MUSI 413, MUSI 414, MUSI 415, MUSI 416, MUSI 417, MUSI 418, MUSI 419, MUSI 420, MUSI 421, MUSI 422, MUSI 423, MUSI 424, MUSI 425, MUSI 426, MUSI 437, MUSI 492, MUSI 493, MUSI 494, MUSI 496

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Conservation, Technology & Imagination Thematic Thread (CTI)/CIM 129

Revised 02.02.2026

UCC: 04.01.2025

Cultural Literacy and Community Building

This thread identifies practices that promote cultural literacy and community building. Some courses will explore ways that institutional support for culture and creativity promote community strength. Other courses will make connections between the marginalization of communities and negative social outcomes or introduce students to the impact that external forces such as climate change or food insecurity have on communities and populations.

Thread Outcomes:

- Students will be able to explain practices that promote cultural literacy and community building. (UG 02)
- Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 05)
- Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 02)

CURRICULUM GUIDE

Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ACCT 209	Financial Accounting	
ARAB 101	Arabic Language and Culture I	
ARAB 102	Arabic Language and Culture II	
ARAB 103	Arabic Language and Culture III	
ARAB 215	Topics in Arabic Culture	
ART 105-114	Basic Studio ¹	
ART 205-214	Basic Studio ²	
ART 225	Overview of Western Art	
CDEV 248	Human Development and Education	
COMM 110	Communication Concepts	
COMM 215	Small Group Communication	
COMM 263	Media and Society	
COMM 480	The Communication Age	
CRIM 110	Introduction to Criminology & Criminal Justice Systems	
CRIM 326	Victimology	
CRIM 327	Criminal Justice and the Multicultural Community	
DANC 125	Experiencing Dance: Techniques and Styles	
DANC 223	Creative Dance for Children	
DANC 305	Society and Social Dance	
DANC 318	Dance in the Political World	
ELEC 100	Early Childhood Education Theory & Practice	
ELEC 410	Culture and Politics of American Education	
ENGL 205	Introduction to Professional Writing	
ENGL 220	Introduction to Literary and Cultural Studies	
ENGL 244	Native American Literature	
ENGL 246	U.S. Latino/a Literatures	
ENGL 312	Introduction to Shakespeare	
ENGL 315	The Cinematic Review: Historical and Critical Writing	
ENGL 316	Asian Film	
ENGL 328	Young Adult Literature	
ENGL 338	Creative Writing: Creative Nonfiction	
ENGL 402	World Literature	

ENGL 429	Grant and Proposal Writing
EXER 204	Introduction to Esports
FINA 200	Personal Financial Planning
FREN 101	French Language and Culture I
FREN 102	French Language and Culture II
FREN 103	French Language and Culture III
FREN 215	Topics in French and Francophone Culture
GERT 265	Aging and the Older Person
GERT 425	Women and Aging
GES 215	Planning for Sustainable Communities
GNDR 115	Introduction to Gender Studies
HIST 151	Ancient World to the Age of Global Encounters
HIST 152	Early Modern to Contemporary World
HIST 202	US Civil War Era to Present
HIST 344	The American City
HIST 404	Violence in Post-45 Europe
HIST 406	Mass Killing and Genocide in the Modern World
HIST 427	Nineteenth Century Europe
HIST 445	Americans and the Environment
HIST 428	Modern French History, 1789-Present
HLTH 101	Personal Health
HLTH 104	Introduction to Public Health
HSS 130	Principles of Emergency Management
INDP 104	Principles of Sociology
INDP 106	Race and Ethnic Diversity in the USA
INDP 310	Cultural Area Studies
INDP 321	Minority Groups
INDP 322	Archaeology of the Americas
INDP 326	Society, Culture and Self
INDP 330	Collective Behavior
JAPN 101	Japanese Language and Culture I
JAPN 102	Japanese Language and Culture II
JAPN 103	Japanese Language and Culture III
JAPN 215	Topics in Japanese Culture
LEAD 244	Artificial Intelligence in Cognitive Studies and Film
LEAD 251	Leadership Theory
LEAD 350	Multicultural Leadership
MODL 105	Introduction to Asian Civilizations
MKTG 303	Issues in Global Business
MUSI 1XX/2XX	Music Ensembles ³
MUSI 3XX/4XX	Music Ensembles ⁴
MUSI 104	Exploring American Music
MUSI 111	Introduction to Music Education
MUSI 301	Women and Music
NLPA 101	Introduction to Nonprofit Management
NLPA 120	Civic Engagement and Community Decision-Making
NLPA 200	Empowered to Serve
NLPA 320	Community Change and Development

NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising
NLPA 328	Program Design and Evaluation in Nonprofit and Governmental Organizations
PHED 115	Yoga and Well-Being
PHED 241	Outdoor Pursuits
PHED 342	Wellness through Movement
PHED 393	Nutrition for Physical Activity, Exercise, and Health
PHIL 101	Introduction to Philosophy
PHIL 123	Ethics
PHIL 140	World Religions
PHIL 170	American Philosophy
PHIL 324	Environmental Ethics
PHIL 326	Business Ethics
POLI 101	American National Government
POLI 301	Organized Political Action
POLI 359	Policy Analysis and Evaluation
PSYC 240	Human Sexual Behavior
PSYC 244	Developmental Psychology
PSYC 276	Introduction to Abnormal Psychology
PSYC 289	Positive Psychology
PSYC 300	Psychology of Women, Gender and Culture
PSYC 315	Psychology of Sexual and Gender Diversity
PSYC 321	Drugs and Behavior
PSYC 364	Child and Adolescent Development
RCTH 364	Biomechanics of Individuals with Disabilities
SEFE 280	Cultural Minorities in Education
SOWK 105	Human Diversity
SOWK 200	Introduction to Child Welfare
SPAN 101	Spanish Language & Culture I
SPAN 102	Spanish Language & Culture II
SPAN 103	Spanish Language & Culture III
SPAN 131	Spanish for the Business World
SPAN 215	Topics in Hispanic Culture
THEA 131	Fundamentals of Acting
THEA 132	Stagecraft
THEA 215	Drawing/Drafting/CAD
THEA 235	Costume Technology
THEA 269	Playwriting
THEA 335	Costume Design and History
THEA 392	History of Musical Theatre
THEA 393	History of Theatre Design and Architecture

Total Hours**12**

¹ Select one from: ART 105, ART 106, ART 107, ART 108, ART 109, ART 110, ART 111, ART 112, ART 113, ART 114

² Select one from:

ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213, ART 214

³ Select one ensemble 100/200 level: MUSI 109, MUSI 113, MUSI 114, MUSI 115, MUSI 116, MUSI 117, MUSI 118, MUSI 119, MUSI 120, MUSI 121, MUSI 122, MUSI 123, MUSI 124, MUSI 125, MUSI 126, MUSI 192, MUSI 193, MUSI 194, MUSI 196, MUSI 209, MUSI 213,

MUSI 214, MUSI 215, MUSI 216, MUSI 217, MUSI 218, MUSI 219, MUSI 220, MUSI 221, MUSI 222, MUSI 223, MUSI 224, MUSI 225, MUSI 226, MUSI 237, MUSI 239, MUSI 292, MUSI 293, MUSI 294, MUSI 296

⁴ Select one ensemble 300/400 level:

MUSI 309, MUSI 313, MUSI 314, MUSI 315, MUSI 316, MUSI 317, MUSI 318, MUSI 324, MUSI 325, MUSI 326, MUSI 392, MUSI 393, MUSI 394, MUSI 396, MUSI 417, MUSI 418, MUSI 419, MUSI 420, MUSI 421, MUSI 422, MUSI 423, MUSI 437, MUSI 492, MUSI 493, MUSI 494, MUSI 496

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

Cultural Literacy and Community Building Thematic Thread (CLCB)/CIM 138

Revised 07.01.2025

UCC: 04.01.2025

Human Diversity and Well-Being

This thread explores the importance of choices, decisions or activities that humans make which enhance our physical or emotional, mental well-being. Courses will explore the political, social, psychological, or biological identities that emerge, express themselves, and change in diverse settings. Across a range of disciplines, students will have opportunities to assess the past, present or future mental, social, economic, cultural or political challenges to individual and group identities.

Thread Outcomes:

- Students will be able to analyze connections between human diversity and well-being. (UG 02)
- Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 05)
- Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 02)

CURRICULUM GUIDE

Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ARAB 101	Arabic Language and Culture I	

ARAB 102	Arabic Language and Culture II	HIST 324	African American History Since 1876
ARAB 103	Arabic Language and Culture III	HIST 326	The Long Civil Rights Movement
ARAB 215	Topics in Arabic Culture	HIST 337	Native American History
ART 105-114	Basic Studio ³	HIST 364	History of Medicine
ART 205-214	Basic Studio ⁴	HIST 404	Violence in Post-45 Europe
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	HIST 445	Americans and the Environment
BIOL 300	Social and Ethical Issues in Genetics	HLTH 101	Personal Health
COMM 110	Communication Concepts	HLTH 104	Introduction to Public Health
COMM 217	Intercultural Communication	HLTH 211	Women's Health Issues
CRIM 302	Sexual Violence	HLTH 314	Nutrition and Health
CRIM 326	Victimology	HLTH 411	Global Health
CRIM 380	Women & the Criminal Justice System	HONR 300	Seminar in Global Learning
CSS 352	Law & Ethics in the Workplace	HSS 130	Principles of Emergency Management
DANC 125	Experiencing Dance: Techniques and Styles	INDP 103	Contemporary Social Problems
DANC 223	Creative Dance for Children	INDP 108	Introduction to Anthropology
DANC 305	Society and Social Dance	INDP 211	Biological Anthropology
ECON 202	Principles of Microeconomics	INDP 212	Archaeology/World Prehistory
EVGE 100	Environmental Geology	INDP 226	Population and Society
EVGE 368	Women in Science	INDP 309	Health and Society
ENGL 214	Introduction to Film Analysis	INDP 310	Cultural Area Studies
ENGL 242	African-American Literature	INDP 322	Archaeology of the Americas
ENGL 244	Native American Literature	INDP 324	The Family
ENGL 248	Asian Literature	INDP 326	Society, Culture and Self
ENGL 314	European Film	INDP 340	Social Inequality
ENGL 316	Asian Film	INDP 342	Sociology of Aging
ENGL 327	Healthcare Writing	JAPN 101	Japanese Language and Culture I
ENGL 328	Young Adult Literature	JAPN 102	Japanese Language and Culture II
ENGL 429	Grant and Proposal Writing	JAPN 103	Japanese Language and Culture III
EXER 230	Stress Management	JAPN 215	Topics in Japanese Culture
EXER 250	Medical Terminology	LEAD 215	Introduction to Consciousness
EXER 304	Current Issues in Esports Health and Society	LEAD 344	Left and Right Brain: From Neuron to Culture
FREN 101	French Language and Culture I	LEAD 350	Multicultural Leadership
FREN 102	French Language and Culture II	LEAD 352	Self Leadership
FREN 103	French Language and Culture III	MLSC 100	The American Military Experience
FREN 215	Topics in French and Francophone Culture	MUSI 1XX/2XX	Music Ensembles ¹
FREN 306	France and Francophone Identities Today	MUSI 3XX/4XX	Music Ensembles ²
GERT 265	Aging and the Older Person	MUSI 111	Introduction to Music Education
GERT 425	Women and Aging	MUSI 301	Women and Music
GES 303	Asia	NLPA 120	Civic Engagement and Community Decision-Making
GES 344	Environmental Justice	PCRM 342	Group Facilitation and Leadership
GES 361	Gender and the Environment	PHED 115	Yoga and Well-Being
GNDR 115	Introduction to Gender Studies	PHED 241	Outdoor Pursuits
GNDR 415	Feminist Perspectives in the Disciplines	PHED 335	Science of the Mind-Body Connection
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	PHIL 101	Introduction to Philosophy
HEMT 210	Contemporary Travel and Tourism	PHIL 113	Formal Logic
HIST 152	Early Modern to Contemporary World	PHIL 123	Ethics
HIST 202	US Civil War Era to Present	PHIL 171	Philosophy of Human Existence
HIST 313	U.S. Manhood and Masculinities	PHIL 325	Medical/Health Care Ethics
HIST 318	Gender and Sexuality in European Society	PHIL 335	Philosophy of Law and Justice
HIST 323	African American History to 1876	PHIL 336	Philosophy of Gender and Sex

PHIL 341	Philosophy of Religion
PHIL 362	Philosophy of Mind
POLI 255	Introduction to Public Policy
POLI 263	Introduction to Comparative Politics
POLI 301	Organized Political Action
POLI 327	Public Opinion and Political Attitudes
POLI 351	Politics of Race
POLI 359	Policy Analysis and Evaluation
POLI 369	Politics of Developing Areas
POLI 375	Women and Politics
PSYC 105	Introduction to Psychology
PSYC 244	Developmental Psychology
PSYC 300	Psychology of Women, Gender and Culture
PSYC 315	Psychology of Sexual and Gender Diversity
PSYC 321	Drugs and Behavior
PSYC 334	Health Psychology
RCTH 120	Disability, Community Inclusion, and Diversity
SEFE 280	Cultural Minorities in Education
SOWK 105	Human Diversity
SPAN 101	Spanish Language & Culture I
SPAN 102	Spanish Language & Culture II
SPAN 103	Spanish Language & Culture III
SPAN 110	Spanish for Educators
SPAN 121	Spanish for Health Professionals
SPAN 131	Spanish for the Business World
SPAN 215	Topics in Hispanic Culture
STAT 152	Elementary Statistics I

Total Hours**12**

¹ Select one ensemble 100/200 level: MUSI 109, MUSI 113, MUSI 114, MUSI 115, MUSI 116, MUSI 117, MUSI 118, MUSI 119, MUSI 120, MUSI 121, MUSI 122, MUSI 123, MUSI 124, MUSI 125, MUSI 126, MUSI 192, MUSI 193, MUSI 194, MUSI 196, MUSI 209, MUSI 213, MUSI 214, MUSI 215, MUSI 216, MUSI 217, MUSI 218, MUSI 219, MUSI 220, MUSI 221, MUSI 222, MUSI 223, MUSI 224, MUSI 225, MUSI 226, MUSI 237, MUSI 239, MUSI 292, MUSI 293, MUSI 294, MUSI 296

² Select one ensemble 300/400 level:
MUSI 309, MUSI 313, MUSI 314, MUSI 315, MUSI 316, MUSI 317, MUSI 318, MUSI 323, MUSI 324, MUSI 325, MUSI 326, MUSI 392, MUSI 393, MUSI 394, MUSI 395, MUSI 403, MUSI 404, MUSI 405, MUSI 406, MUSI 407, MUSI 408, MUSI 409, MUSI 415, MUSI 416, MUSI 417, MUSI 418, MUSI 419, MUSI 420, MUSI 421, MUSI 422, MUSI 423, MUSI 424, MUSI 425, MUSI 426, MUSI 437, MUSI 492, MUSI 493, MUSI 494, MUSI 496

³ Select one from: ART 105, ART 106, ART 107, ART 108, ART 109, ART 110, ART 111, ART 112, ART 113, ART 114

⁴ Select one from:
ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212

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PASSHE - Pennsylvania State System of Higher Education Institutions

Human Diversity and Well-Being Thematic Thread (HDWB)/CIM 116

Revised 07.01.2025

UCC: 04.01.2025

Institutions and Human Innovation

This thread explores a variety of human institutions across politics, the arts, economics and other aspects of societies. Students will be able to make connections between characteristics of human institutions and the broader societies that created them, evaluate relationships between institutional past practices and contemporary successes or failures in innovation, and analyze systemic structures that influence the relationships humans have with each other and with the natural world.

Thread Outcomes:

- Students will be able to identify a variety of human institutions across politics, the arts, economics and other aspects of societies. (UG 02)
- Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 05)
- Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG 02)

CURRICULUM GUIDE

Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ACCT 209	Financial Accounting	
ARAB 215	Topics in Arabic Culture	
ART 105-114	Basic Studio ³	
ART 205-214	Basic Studio ⁴	
ART 335	The Renaissance Tradition	
ART 345	Foundations of Modern Art	
ART 355	Early Modern Art	
ART 365	Art Since 1945	
BIOL 105	Environmental Biology	
BIOL 300	Social and Ethical Issues in Genetics	
CDEV 251	Mental Health in America	
CHEM 204	Introduction to Forensic Science	
COMM 115	Visual Literacy	
COMM 217	Intercultural Communication	
COMM 458	Media Criticism	
COMM 480	The Communication Age	
CPSC 102	Collaborative Information Technology and Society	
CRIM 333	Crime, Justice and Society	

ECON 201	Principles of Macroeconomics	MKTG 303	Issues in Global Business
ECON 202	Principles of Microeconomics	MUSI 1XX/2XX	Music Ensembles ¹
ECON 312	Critical Choices in Health Care Policy	MUSI 104	Exploring American Music
ECON 315	Economics of Sustainable Development	MUSI 3XX/4XX	Music Ensembles ²
ECON 326	International Economics	NLPA 328	Program Design and Evaluation in Nonprofit and Governmental Organizations
EVGE 100	Environmental Geology	PCRM 211	Outdoor Leadership
ENGL 214	Introduction to Film Analysis	PCRM 342	Group Facilitation and Leadership
ENGL 327	Healthcare Writing	PHED 342	Wellness through Movement
ENGL 411	Science Fiction	PHED 393	Nutrition for Physical Activity, Exercise, and Health
EXER 204	Introduction to Esports	PHIL 101	Introduction to Philosophy
EXER 250	Medical Terminology	PHIL 113	Formal Logic
EXER 304	Current Issues in Esports Health and Society	PHIL 123	Ethics
EXER 305	The Truth About Weight Loss	PHIL 140	World Religions
FINA 200	Personal Financial Planning	PHIL 170	American Philosophy
FREN 215	Topics in French and Francophone Culture	PHIL 171	Philosophy of Human Existence
GES 115	Introduction to Geospatial Technologies	PHIL 324	Environmental Ethics
GES 324	Environmental Law and Policy	PHIL 325	Medical/Health Care Ethics
GES 362	Applications in Sustainability	PHIL 331	Social and Political Philosophy
GNDR 115	Introduction to Gender Studies	PHIL 335	Philosophy of Law and Justice
GNDR 415	Feminist Perspectives in the Disciplines	PHIL 336	Philosophy of Gender and Sex
HCAM 230	US Healthcare Systems	PHIL 343	Asian Philosophy
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	PHIL 351	Philosophy of Natural Science
HCAM 335	Current Topics in Health Care	PHIL 361	Philosophy of Art
HIST 151	Ancient World to the Age of Global Encounters	PHIL 371	Ancient Western Philosophy
HIST 152	Early Modern to Contemporary World	PHIL 372	Modern Western Philosophy
HIST 201	Colonial US to the Civil War Era	PHYS 271	Astronomy
HIST 202	US Civil War Era to Present	POLI 101	American National Government
HIST 326	The Long Civil Rights Movement	POLI 103	International Relations
HIST 344	The American City	POLI 215	Introduction to Political Theory
HIST 346	Rise of Imperial Britain	POLI 223	Law and Courts
HIST 364	History of Medicine	POLI 263	Introduction to Comparative Politics
HIST 404	Violence in Post-45 Europe	POLI 325	The Congress
HIST 426	French Revolution and Napoleon	POLI 351	Politics of Race
HIST 427	Nineteenth Century Europe	POLI 364	Using Evidence to Solve Public Problems
HONR 300	Seminar in Global Learning	POLI 375	Women and Politics
HSS 120	Introduction to Homeland Security	PSYC 105	Introduction to Psychology
INDP 104	Principles of Sociology	PSYC 240	Human Sexual Behavior
INDP 211	Biological Anthropology	PSYC 244	Developmental Psychology
INDP 212	Archaeology/World Prehistory	RCTH 364	Biomechanics of Individuals with Disabilities
INDP 322	Archaeology of the Americas	SEFE 280	Cultural Minorities in Education
INDP 324	The Family	SEFE 401	Education and American Activism
INDP 330	Collective Behavior	SEFE 420	American Education in the Twenty-First Century: A Comparative Perspective
JAPN 215	Topics in Japanese Culture	SOWK 105	Human Diversity
LEAD 315	Mindfulness and Brain	SPAN 215	Topics in Hispanic Culture
LEAD 353	Teambuilding for Leaders	STAT 152	Elementary Statistics I
LEAD 354	Strategic Planning and Decision Making for Leaders	THEA 159	Introduction to Theatre Arts Management
MGMT 130	Dynamics of Global Commerce		
MGMT 351	Organizational Behavior		
MKTG 230	Principles of Marketing		
		Total Hours	12

¹ Select one ensemble 100/200 level: MUSI 109, MUSI 113, MUSI 114, MUSI 115, MUSI 116, MUSI 117, MUSI 118, MUSI 119, MUSI 120, MUSI 121, MUSI 122, MUSI 123, MUSI 124, MUSI 125, MUSI 126, MUSI 192, MUSI 193, MUSI 194, MUSI 196, MUSI 209, MUSI 213, MUSI 214, MUSI 215, MUSI 216, MUSI 217, MUSI 218, MUSI 219, MUSI 220, MUSI 221, MUSI 222, MUSI 223, MUSI 224, MUSI 225, MUSI 226, MUSI 237, MUSI 239, MUSI 292, MUSI 293, MUSI 294, MUSI 296

² Select one ensemble 300/400 level:

MUSI 309, MUSI 313, MUSI 314, MUSI 315, MUSI 316, MUSI 317, MUSI 318, MUSI 319, MUSI 320, MUSI 321, MUSI 322, MUSI 323, MUSI 324, MUSI 325, MUSI 326, MUSI 392, MUSI 393, MUSI 394, MUSI 416, MUSI 417, MUSI 418, MUSI 419, MUSI 420, MUSI 421, MUSI 422, MUSI 423, MUSI 424, MUSI 425, MUSI 426, MUSI 437, MUSI 492, MUSI 493, MUSI 494, MUSI 496

³ Select one from: ART 105, ART 106, ART 107, ART 108, ART 109, ART 110, ART 111, ART 112, ART 113, ART 114

⁴ Select one from:

ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213, ART 214

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PASSHE - Pennsylvania State System of Higher Education Institutions

Institutions and Human Innovations Thematic Thread (IHI)/CIM 256

Revised 07.01.2025

UCC: 04.01.2025

The United States in Global Context

This thread examines the United States as a nation within a global context. Courses will expose students to the global influences on American arts, culture, and sciences, and offer a deeper understanding and appreciation of American civics, citizenship, and international heritage. Courses will examine major political and economic forces that shape America's relationships with its allies and adversaries and allow students to explore the challenges and opportunities of a globalized world.

thread OUTCOMES

1. Students will be able to analyze how the United States is positioned to meet the challenges and opportunities of a globalized world. (UG02)
2. Students will engage in integrative learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG05)
3. Students will engage in applied learning across the curriculum and co-curriculum, making simple connections among ideas and experiences to

synthesizing and transferring learning to new, complex situations within and beyond the campus. (UG02)

CURRICULUM GUIDE

Select 12 credits including six credits at 300-level or above

Code	Title	Hours
Select four of the following:		12
ARAB 101	Arabic Language and Culture I	
ARAB 102	Arabic Language and Culture II	
ARAB 103	Arabic Language and Culture III	
ARAB 215	Topics in Arabic Culture	
ART 225	Overview of Western Art	
ART 226	Overview of World Art	
ART 365	Art Since 1945	
BIOL 105	Environmental Biology	
BIOL 300	Social and Ethical Issues in Genetics	
CDEV 251	Mental Health in America	
COMM 263	Media and Society	
COMM 405	Global Media	
COMM 419	Propaganda	
COMM 480	The Communication Age	
CPSC 300	Challenges of Computer Technology	
CRIM 302	Sexual Violence	
CRIM 327	Criminal Justice and the Multicultural Community	
CRIM 328	Transnational Crime & Justice	
CSS 351	Fraud	
CYBR 101	Cybersecurity in the Era of Evolving Technology	
DANC 318	Dance in the Political World	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
ECON 312	Critical Choices in Health Care Policy	
ECON 315	Economics of Sustainable Development	
ECON 326	International Economics	
EVGE 100	Environmental Geology	
EVGE 131	Oceanography	
ELEC 410	Culture and Politics of American Education	
ENGL 220	Introduction to Literary and Cultural Studies	
ENGL 246	U.S. Latino/a Literatures	
ENGL 316	Asian Film	
ENGL 327	Healthcare Writing	
EXER 230	Stress Management	
EXER 304	Current Issues in Esports Health and Society	
FREN 101	French Language and Culture I	
FREN 102	French Language and Culture II	
FREN 103	French Language and Culture III	
FREN 215	Topics in French and Francophone Culture	
FREN 306	France and Francophone Identities Today	
GES 115	Introduction to Geospatial Technologies	

GES 135	Introduction to Environmental Problems
GES 303	Asia
GES 324	Environmental Law and Policy
GES 344	Environmental Justice
GES 355	Earth's Changing Climate
GES 361	Gender and the Environment
GNDR 415	Feminist Perspectives in the Disciplines
HCAM 300	Healthcare Systems: Global Perspectives and Analysis
HCAM 335	Current Topics in Health Care
HCAM 375	Ethics & Legal Fundamentals for the Health Professions
HEMT 114	Sustainability in Food and Hospitality
HEMT 210	Contemporary Travel and Tourism
HIST 152	Early Modern to Contemporary World
HIST 201	Colonial US to the Civil War Era
HIST 202	US Civil War Era to Present
HIST 306	Russia Since 1855
HIST 326	The Long Civil Rights Movement
HIST 337	Native American History
HIST 346	Rise of Imperial Britain
HIST 352	Latin America Since 1830
HIST 353	History of the Americas
HIST 406	Mass Killing and Genocide in the Modern World
HIST 453	American Constitutional History and Law
HLTH 411	Global Health
HLTH 314	Nutrition and Health
INDP 104	Principles of Sociology
INDP 108	Introduction to Anthropology
INDP 212	Archaeology/World Prehistory
INDP 226	Population and Society
INDP 309	Health and Society
INDP 310	Cultural Area Studies
INDP 321	Minority Groups
INDP 326	Society, Culture and Self
JAPN 101	Japanese Language and Culture I
JAPN 102	Japanese Language and Culture II
JAPN 103	Japanese Language and Culture III
JAPN 215	Topics in Japanese Culture
LEAD 350	Multicultural Leadership
MGMT 130	Dynamics of Global Commerce
MGMT 351	Organizational Behavior
MGMT 370	Sustainable Entrepreneurship and Innovation
MIS 300	Challenges of Computer Technology
MODL 105	Introduction to Asian Civilizations
MKTG 230	Principles of Marketing
MKTG 303	Issues in Global Business
MLSC 100	The American Military Experience
MUSI 102	Exploring World Music
NLPA 101	Introduction to Nonprofit Management
PCRM 104	Foundations in Sustainability

PHIL 101	Introduction to Philosophy
PHIL 113	Formal Logic
PHIL 123	Ethics
PHIL 140	World Religions
PHIL 171	Philosophy of Human Existence
PHIL 324	Environmental Ethics
PHIL 325	Medical/Health Care Ethics
PHIL 326	Business Ethics
PHIL 335	Philosophy of Law and Justice
PHIL 338	Ethics, Technology, and the Future
PHIL 371	Ancient Western Philosophy
POLI 101	American National Government
POLI 103	International Relations
POLI 220	Foreign Policy
POLI 263	Introduction to Comparative Politics
POLI 301	Organized Political Action
POLI 303	Seminar in Democracy
POLI 333	The Political Film
POLI 350	Transnational Terrorism
POLI 365	International Political Economy
POLI 367	Foreign Policy and International Security
POLI 369	Politics of Developing Areas
PSYC 205	Environmental Psychology
SEFE 401	Education and American Activism
SPAN 101	Spanish Language & Culture I
SPAN 102	Spanish Language & Culture II
SPAN 103	Spanish Language & Culture III
SPAN 121	Spanish for Health Professionals
SPAN 215	Topics in Hispanic Culture
THEA 359	Studies in Audience Development

Total Hours **12**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

The United States in Global Context Thematic Thread (USGC)/CIM 432
Revised 07.01.2025
UCC: 04.01.2025

College of Business

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The following academic programs and units are in the College of Business:

- Safety Management (p. 31)
- School of Business (p. 34)
- Sport Management (p. 86)
- Strategic Communication and Media (p. 90)
- Military Science (Army ROTC) (p. 114)

Safety Management

Programs

Majors

- Safety Management, Bachelor of Science (BS) (p. 31)

Safety Management, Bachelor of Science (BS)

The Department of Safety Management offers a hands-on, practical, and applied Bachelor of Science Degree in Safety Management. The B.S. in Safety Management is designed to assure development of competencies which enable innovative approaches in the establishment and direction of comprehensive safety programs in educational, governmental, private business and industrial enterprises. Safety Management involves protecting and preserving people, property, productivity and the environment. The curriculum fosters an education that enables students to become responsible, knowledgeable and accountable safety professionals. The Bachelor of Science degree in Safety Management at Slippery Rock University meets the Board of Certified Safety Professionals (BCSP) requirements as a Qualified Academic Program (QAP). The Bachelor of Science degree in Safety Management is an Institute of Hazardous Materials Management (IHMM) Board approved Degree Program.

The Department of Safety Management also operates a National Resource Center-WVU OSHA Training Institute Education Center Host Site. As part of their coursework, students are required to pursue both

the OSHA 30 hour Construction and General Industry cards. The cards provide an additional valuable safety credential.

For Safety Management laboratory courses, the Department of Safety Management attempts to follow the recommendation of both the National Science Teachers Association (NSTA) and Laboratory Safety Institute (LSI) which is to have the lesser of 24 students per lab, and the design capacity of the room, or 55 sq. ft. per student for lecture/lab combo rooms and 45 sq. ft. per student for only lab rooms.

GPA Policy

- Once admitted to the Safety Management major, all students must maintain an overall GPA of 2.0 and a Major GPA of 2.0 in order to graduate with a Bachelor of Science Degree in Safety Management. It is solely the students' responsibility to monitor and meet this requirement.

Professional Certifications

Board of Certified Safety Professionals

Upon graduation (must apply within one year), Slippery Rock University Safety Majors are eligible for the Graduate Safety Practitioner (GSP) designation which waives the Associate Safety Professionals (ASP) examination and provides a pathway to the professional certification of a Certified Safety Professional (CSP). Upon four years of qualifying experience, Safety Management graduates are eligible to sit for the CSP examination. Accredited by the American Standards Institute and the National Council on Competency Assessment.

For additional information, visit: www.bcsp.org (<https://www.bcsp.org>)

The Institute of Hazardous Materials Management (IHMM)

The Bachelor of Science Degree in Safety Management is an IHMM approved Degree Program. Upon graduation, Slippery Rock University Safety Majors are eligible for the Associate Safety and Health Manager Certification (ASHM) designation since the examination is waived. The ASHM provides a pathway to the professional certification of a Certified Safety and Health Manager (CSHM). Upon two years of qualifying experience, Safety Management graduates are eligible to sit for the CSHM examination. Accredited by the Council of Engineering and Scientific Specialty Boards.

For additional information about the ASHM, visit: ihmm.org/ashm/ (<https://ihmm.org/ashm/>)

To set up an account, click here (https://online.ihmm.org/ihmmssa/f/?p=STDSSA:101:::P101_VC,P101_CONTEXT,CUST_CONTEXT,G_SUCCESS_URL::,,ssaa)

Internship Program

The internship offers students the opportunity to obtain firsthand experience in the work place. Students are provided the opportunity to apply concepts and techniques learned in the classroom to the workplace environment. The internship program is administered in cooperation with a variety of organizations, including government, industry, insurance, health care and other related enterprises. The internship is offered only during the summer term, with the majority of interns receiving compensation.

Contact the Department of Safety Management for the most current requirements.

Safety Management Department Attendance Policy

Attend and participate in class. There is no distinction between “excused and unexcused”. When you are absent from class, **you are absent**. It is your responsibility to find out what was covered that day. As a Safety major, in order to prepare you for a career as a professional Safety practitioner, you are expected to attend class regularly and promptly. Attendance Policy requirements are noted on course instruction syllabus.

Electronic Device Use In Class

Electronic devices such as cell phones, pagers, video games, etc. are not permitted on and must be put away during class. Student must obtain instructor’s permission to use a laptop or any word processing device in the classroom. Also, no tape recording of class unless permission is given by the instructor. Electronic device use requirements are noted on course instructor syllabus.

Program Learning Outcomes

- **Professional Interaction:** To interact and communicate with managerial, supervisory, labor and external public using a combination of communication, training, and technological skills for a clear exchange of ideas and information. These skills include: integrating different media in a variety of professional settings, using computers and other informational technology, using data, listening and comprehending the viewpoints of others, and effectively presenting information in oral and written formats. (UO 1, 2)
- **Professional Decision Making:** To use critical and creative thinking in preserving enterprise resources, solving problems, making decisions and gaining new insights in professional decision-making. These skills include: clarifying and justifying assumptions, reasoning with considerations of implications and consequences, inferring and drawing conclusions, and evaluating the historical, financial, legal and political decisions that impact on the safety function. (UO 2, 3, 4)
- **Professional Ethics and Responsibility:** To value the need for lifelong personal and professional development and mandate for ethical, responsible, and accountable professional practice or performance which includes a sensitivity to and affirmation of moral values in an evolving technologic and litigious society. (UO 8, 9)
- **Professional Competence and Application:** To synthesize the body of knowledge of safety and environmental management as a basis for the performance of the skills and abilities required for an entry-level professional. This ability includes applying research findings to assure currency in the practice and the advancement of theoretical knowledge and practice within the profession. (UO 5)

Related Links

Safety Management, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/safety-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Overall GPA: 2.00 or higher

Major GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	60
	Electives	17-18

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
STAT 152	Elementary Statistics I	
MATH 125	Precalculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 106	Introductory Chemistry II	3
or CHEM 108	General Chemistry II	
<i>Physical Sciences Inquiry</i>		
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Professional Courses		
SFMG 118	Introduction to Safety ¹	3
SFMG 218	Legislative Compliance-General Industry ¹	3
SFMG 248	Hazardous Materials & Waste Management ¹	3
SFMG 258	Construction Safety ¹	3
SFMG 318	Principles of Industrial Hygiene ¹	3
SFMG 319	Principles of Industrial Hygiene II ¹	3
SFMG 328	Comprehensive Emergency Management and Fire Services ¹	3
SFMG 338	Ergonomics and Human Factors ¹	3
SFMG 368	Injury and Damage Incidents Evaluation ¹	3
SFMG 408	Contemporary Safety Topics and Issues ¹	3
SFMG 448	Management and Integration of Safety ¹	3
SFMG 450	Internship ^{1,3}	3
SFMG 488	Safety Training and Development ¹	3
Subtotal		39
Select 5 of the following (15 credits)		
SFMG 228	Motor Transportation Fleet Safety ¹	
SFMG 378	Energy Exploration and Generation ¹	
SFMG 380	Healthcare Safety, Compliance and Accreditation	
SFMG 385	Safety Measurement, Evaluation, and Research ¹	
SFMG 388	Insurance Risk and Loss Control Management ¹	
SFMG 418	Security in the Workplace ¹	
SFMG 450	Internship ^{1,3}	
SFMG 478	Environmental Permitting and Sustainability ¹	

Subtotal		15
Required Support Courses		
MGMT 351	Organizational Behavior ²	3
MGMT 354	Human Resources Management ²	3
Subtotal		6
Total Hours		60

¹ Course counts for 50% of Major and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

³ Student must complete one 3 credit internship. Students may complete an additional internship for credit in the Safety Elective block.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Required Courses

Code	Title	Hours
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
CHEM 106	Introductory Chemistry II	3
or CHEM 108	General Chemistry II	
Select one of the following:		3-4
STAT 152	Elementary Statistics I	
MATH 125	Precalculus	
MATH 225	Calculus I	
Total Hours		9-10

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SAFETY MANAGEMENT - BS (2176)

This program is effective as of Spring 2025

Revised 07.23.2025

UCC 02.11.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SFMG 118	Introduction to Safety	3
CHEM 104	Introduction Chemistry I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16

Spring

CHEM 106	Introductory Chemistry II	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15

Second Year**Fall**

SFMG 218	Legislative Compliance-General Industry	3
SFMG 228	Motor Transportation Fleet Safety ⁴	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Thematic Thread Requirement (p. 19)		3
Free Elective		3
Declare a Thematic Thread ²		
Hours		15

Spring

MGMT 351	Organizational Behavior	3
SFMG 248	Hazardous Materials & Waste Management	3
SFMG 258	Construction Safety	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Summer

SFMG 450	Internship (Optional Internship)	0-3
Hours		0-3

Third Year**Fall**

MGMT 354	Human Resources Management	3
SFMG 318	Principles of Industrial Hygiene	3
SFMG 328	Comprehensive Emergency Management and Fire Services	3
SFMG 338	Ergonomics and Human Factors	3
SFMG 368	Injury and Damage Incidents Evaluation	3
Hours		15

Spring

SFMG 319	Principles of Industrial Hygiene II	3
SFMG 408	Contemporary Safety Topics and Issues	3
SFMG 448	Management and Integration of Safety	3
SFMG 488	Safety Training and Development	3
Thematic Thread Requirement (p. 19)		3
Hours		15

Summer

SFMG 450	Internship (3 credits required; additional Internship credits count towards Select 5 category)	3
Hours		3

Fourth Year**Fall**

SFMG 378	Energy Exploration and Generation ⁴	3
SFMG 385	Safety Measurement, Evaluation, and Research ⁴	3
SFMG 388	Insurance Risk and Loss Control Management ⁴	3
SFMG 478	Environmental Permitting and Sustainability ⁴	3
Free Elective ³		3
Hours		15

Spring

SFMG 418	Security in the Workplace ⁴	3
Free Elective		3
Free Elective		3
Free Elective		3
Hours		12
Total Hours**		121-124

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Free Elective not required if Internship was completed in Summer of second year.

⁴ Meets Safety Elective (Select 5) requirement; additional coursework counts toward 120 credit graduation requirement.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2176

Revised: 09.23.2025

School of Business

Programs

Majors

- Accounting Online, Bachelor of Science in Business Administration (BSBA) (p. 35)
- Accounting, Bachelor of Science in Business Administration (BSBA) (p. 37)
- Business Undeclared (p. 43)
- Economics, Bachelor of Science in Business Administration (BSBA) (p. 46)
- Finance, Bachelor of Science in Business Administration (BSBA) (p. 51)
- Hospitality and Tourism Management, Bachelor of Science (BS) (p. 56)
- Information Systems, Bachelor of Science (BS) (p. 62)
- Management, Bachelor of Science in Business Administration (BSBA) - Concentration in General Management (p. 68)

- Management, Bachelor of Science in Business Administration (BSBA) - Concentration in Human Resources (p. 71)
- Management, Bachelor of Science in Business Administration (BSBA) - Concentration in Supply Chain Management (p. 74)
- Management, Bachelor of Science in Business Administration (BSBA) - Online Degree Completion Program (p. 77)
- Marketing, Bachelor of Science in Business Administration (BSBA) (p. 80)
- Marketing, Bachelor of Science in Business Administration (BSBA) – Online Degree Completion Program (p. 83)

Minors

- Accounting, Minor (for BSBA and HCAM students only) (p. 41)
- Business Administration, Minor (Non-BSBA Majors) (p. 42)
- Business Analytics, Minor (p. 42)
- Business Management Pre-MBA, Minor (Non-Business Majors Only) (p. 43)
- Economics, Minor (BSBA Majors Only) (p. 50)
- Economics, Minor (Non BSBA Majors) (p. 50)
- Entrepreneurship, Minor (p. 51)
- Finance, Minor (for BSBA and HCAM students only) (p. 55)
- Forensic Accounting, Minor (p. 55)
- Hospitality and Tourism Management, Minor (p. 59)
- Human Resource Management, Minor (BSBA and HCAM Majors) (p. 61)
- Human Resource Management, Minor (Non-BSBA Majors) (p. 61)
- Information Systems, Minor (p. 66)
- Internal Audit, Minor (p. 67)
- Management, Minor (BSBA majors) (p. 79)
- Marketing, Minor (p. 85)
- Sustainable Management, Minor (BSBA majors only) (p. 86)

Certificates

- Accounting, Certificate (p. 40)
- Hospitality Management, Certificate (p. 59)
- Human Resource Management, Certificate (p. 60)

Accounting Online, Bachelor of Science in Business Administration (BSBA)

Program Learning Outcomes

- **Communication (UO 1):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Critical Thinking and Problem Solving (UO 2):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem solving skills. Students will:

- Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
- Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making.
- **Degree Program Writing Competency (UO 1):** Students will create written business and professional documents in appropriate style and format.
- **Ethics (UO 8):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to business disciplines.
 - Knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.
- **Information Technology (UO 10):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications.
- **Professional Proficiency (UO 4):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to accounting disciplines.
 - Knowledge of procedures, concepts, and technical accounting business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.

RELATED LINKS

Accounting Online, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/accounting/>)

Accounting Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Accounting.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	68
	Electives	10

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Students must complete a sum total of 42 SRU Rock Studies 2-based credits. There are no specific requirements.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
	Complete one of the following:	0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 36 major credits must be taken at SRU or PASSHE
- 36 major credits must be taken at the 300 level or above

Code	Title	Hours
Business Administration Core Requirements		
ACCT 209	Financial Accounting ¹	3
ACCT 230	Accounting Information Systems ²	3
ACCT 310	Cost Accounting (Accounting Majors) ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 202	Principles of Microeconomics ¹	3
ECON 219 or MGMT 219	Business Analytics I ¹ Business Analytics I	3
ECON 319 or MGMT 319	Business Analytics II ¹ Business Analytics II	3
FINA 303 or MGMT 303 or MKTG 303	Issues in Global Business ¹ Issues in Global Business Issues in Global Business	3
FINA 320	Managerial Finance ¹	3
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MKTG 230	Principles of Marketing ¹	3

Subtotal		42
Required Computer Science Course		
CPSC 210 or MIS 210	Productivity Software ¹ Productivity Software	3
Subtotal		3
Required Accounting Courses		
ACCT 308	Federal Individual Income Tax ²	3
ACCT 313	Intermediate Accounting I ²	4
ACCT 314	Intermediate Accounting II ²	4
ACCT 411	Auditing Theory and Practice ²	3
ACCT 413	Advanced Accounting ²	3
ACCT 345 or ACCT 450	Volunteer Income Tax Assistance (VITA) Internship	3
Subtotal		20
Electives		
Select one of the following:		3
ACCT 320	Forensic Accounting ²	
ACCT 324	Budgeting, Performance Management, and Cost Analysis ²	
ACCT 412	Accounting Seminar ²	
ACCT 422	Accounting Fraud ²	
ACCT 429	Accounting Data Analytics ²	
ACCT 430	Internal Auditing ²	
Subtotal		3
Total Hours		68

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Participation in student organizations
3. International study programs (short-term, semester, and year-long)
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Service-learning classes
8. Career education and development

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to

ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ACCOUNTING - BSBA (2339)

This program is effective as of Spring 2025

Revised 07.23.2025

UCC 02.11.2025

Accounting, Bachelor of Science in Business Administration (BSBA)

The Accounting program at Slippery Rock University prepares students for success in the challenging and rewarding field of accounting.

The integrated curriculum focuses on the development of students' business and accounting skills and knowledge while enhancing their communication, teamwork, critical thinking, and problem solving skills as well as technological proficiency. Emphasis is placed on student learning through research and practical application as students prepare for the Uniform Certified Public Accountant Examination and careers in public accounting, government, and private industries. All candidates completing this program are eligible to sit for the Uniformed Certified Public Accountant Examination. Student professional growth is encouraged and enhanced through participation in the Student Accounting Society and the internship program in the School of Business.

In the classroom, accounting students are introduced to a variety of software programs used by accounting professionals that provide realistic application of accounting practices and procedures. This state-of-the-art learning center engages students in the learning process as they master accounting concepts, principles, and related procedures in an environment that simulates the workplace. The School of Business' accounting program is a step above the ordinary; it equips future accounting professionals with a unique set of marketable skills that sets them apart from their peers in the workplace.

Program Learning Outcomes:

- **Communication (UO 1):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Critical Thinking and Problem Solving (UO 2):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making.
- **Degree Program Writing Competency (UO 1):** Students will create written business and professional documents in appropriate style and format.
- **Ethics (UO 8):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge

to meet professional competencies as business professionals and global citizens. Students will demonstrate:

- An understanding of the history and vocabulary unique to business disciplines.
- Knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
- The ability to read and interpret financial statements in the decision-making process.
- Effective team work and collaborative skills in a simulated business environment.
- **Information Technology (UO 10):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications.
- **Professional Proficiency (UO 4):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to accounting disciplines.
 - Knowledge of procedures, concepts, and technical accounting business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.

RELATED LINKS

Accounting, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/accounting/>)

Accounting Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Accounting.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	62
	Electives	15-16

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics	
FINA 303	Issues in Global Business	
or MGMT 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 36 major credits must be taken at SRU or PASSHE
- 36 major credits must be taken at the 300 level or above

Code	Title	Hours
Business Administration Core Requirements		
ACCT 209	Financial Accounting ¹	3
ACCT 230	Accounting Information Systems ¹	3
ACCT 310	Cost Accounting (Accounting Majors) ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance ¹	3
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		36
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Accounting Courses		
ACCT 308	Federal Individual Income Tax ²	3
ACCT 313	Intermediate Accounting I ²	4
ACCT 314	Intermediate Accounting II ²	4
ACCT 345	Volunteer Income Tax Assistance (VITA)	3
or ACCT 450	Internship	
ACCT 411	Auditing Theory and Practice ²	3
ACCT 413	Advanced Accounting ²	3
Subtotal		20
Electives		
Select one of the following:		3
ACCT 320	Forensic Accounting ²	
or ACCT 620	Forensic Accounting	
ACCT 324	Budgeting, Performance Management, and Cost Analysis ^{2,3}	
or ACCT 626	Budgeting, Performance Management, and Cost Analysis	

ACCT 412	Accounting Seminar ²	
ACCT 422	Accounting Fraud ³	
or ACCT 622	Fraud Examination	
ACCT 429	Accounting Data Analytics ^{2,3}	
or ACCT 629	Accounting Data Analytics	
ACCT 430	Internal Auditing ³	
or ACCT 630	Risk Analysis and Internal Control	
Subtotal		3
Total Hours		62

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

³ Course is part of the 4+ program which permits 4+ students the option to complete 6 credits of graduate coursework in their senior year. See advisor for details.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Participation in student organizations
3. International study programs (short-term, semester, and year-long)
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Service-learning classes
8. Career education and development

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ACCOUNTING - BSBA (2341)

This program is effective as of Spring 2025

Revised 07.23.2025

UCC 02.11.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics (Part of Thread)	3
ENGL 102	Critical Writing	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
SUBJ 139	Foundations of Academic Discovery ¹	3
CPSC 210	Productivity Software	3
or MIS 210	or Productivity Software	
ESAP 101	FYRST Seminar *	1
Hours		16-17
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
ACCT 209	Financial Accounting ⁴	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ACCT 230	Accounting Information Systems	3
ECON 219	Business Analytics I	3
or MGMT 219	or Business Analytics I	
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ³		
Hours		15
Spring		
ACCT 310	Cost Accounting	3
ACCT 313	Intermediate Accounting I	4
ECON 319	Business Analytics II	3
or MGMT 319	or Business Analytics II	
MGMT 320	Operations Management	3
MKTG 230	Principles of Marketing	3
Hours		16
Third Year		
Fall		
ACCT 314	Intermediate Accounting II	4
ACCT 308	Federal Individual Income Tax	3
MGMT 351	Organizational Behavior	3
Thematic Thread Requirement (p. 19)		3

Elective		3
Hours		16
Spring		
ACCT 450 or ACCT 345	Internship or Volunteer Income Tax Assistance (VITA)	3
FINA 320	Managerial Finance	3
FINA 303	Issues in Global Business	3
Elective		3
Hours		12
Fourth Year		
Fall		
ACCT 411	Auditing Theory and Practice	3
Accounting Elective 1		3
ACCT 340	Legal Environment of Business	3
Thematic Thread Requirement (p. 19)		3
Elective		3
MBA Course ²		0-3
Hours		15-18
Spring		
ACCT 413	Advanced Accounting	3
ACCT 450 or ACCT 345	Internship or Volunteer Income Tax Assistance (VITA)	3
MGMT 458	Business Capstone	3
Elective		3
Elective		3
MBA Course ²		0-3
Hours		15-18
Total Hours**		120-127

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Accounting undergraduates may take up to 4 Master of Business (MBA) graduate courses as seniors.

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ Accounting major should register for course section designated for Accounting majors only.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2341
Revised: 09.23.2025

Accounting, Certificate

A Certificate in Accounting permits students interested in a career as a Certified Public Accountant who have a non-accounting bachelor's degree or are currently enrolled in a non-accounting bachelor degree program, to pursue a program of study that will prepare them for the Uniform Certified Public Accountant Examination. Students are required to have 150 hours

of college credit to receive CPA certification and licensure in the state of Pennsylvania. All candidates completing this program are eligible to sit for the Uniformed Certified Public Accountant Examination.

PROGRAM LEARNING OUTCOMES

Communication (UO 1): Students completing the minor will demonstrate competency in oral and written communication skills. Students will deliver an effective oral presentation on a business and/or professional topic.

Critical Thinking and Problem Solving (UO 2): Students completing the minor will demonstrate effective critical thinking and problem-solving skills. Students will apply critical thinking skills using quantitative techniques for problem solving and strategic decision making.

Ethics (UO 8): Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate an understanding of the history and vocabulary unique to business disciplines.

Information Technology (UO 10): Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications.

Professional Proficiency (UO 4): Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate a knowledge of procedures, concepts, and technical accounting business skills through practical application (budgeting, financial statement analysis).

PROGRAM REQUIREMENT

The Certificate in Accounting will be awarded upon successful completion of approved coursework with a 2.0 GPA for all courses taken at SRU. Students must complete a minimum of 30 hours of coursework at SRU.

CPA exam candidates will design a program of study to include the following courses.

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Accounting, Certificate Program Page (<https://www.sru.edu/academics/certificates/accounting-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 2.0 or higher

This certificate permits students interested in a career as a Certified Public Accountant (CPA) who have a non-accounting bachelor's degree or are currently enrolled in a non-accounting bachelor's degree program to pursue a program of study that will prepare them for the uniform CPA exam.

Certificate Requirements

Code	Title	Hours
Required Related Business Courses		
Required Accounting Courses		
Select 10 Courses from the courses listed below:		30
ACCT 209	Financial Accounting	
ACCT 230	Accounting Information Systems	
ACCT 308	Federal Individual Income Tax	
ACCT 310	Cost Accounting	
ACCT 313	Intermediate Accounting I	
ACCT 314	Intermediate Accounting II	
ACCT 320	Forensic Accounting	
ACCT 324	Budgeting, Performance Management, and Cost Analysis	
ACCT 340	Legal Environment of Business	
ACCT 345	Volunteer Income Tax Assistance (VITA)	
ACCT 411	Auditing Theory and Practice	
ACCT 413	Advanced Accounting	
ACCT 422	Accounting Fraud	
ACCT 429	Accounting Data Analytics	
ACCT 430	Internal Auditing	
ACCT 450	Internship	
Total Hours		30

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Certificate Requirement

Students must complete at least 12 credit hours from SRU

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Accounting (234C)

Effective Spring 2025

Revised 04.16.2025

UCC 02.11.2025

Accounting, Minor (for BSBA and HCAM students only)

PROGRAM LEARNING OUTCOMES:

Communication: Students completing the minor will demonstrate competency in oral and written communication skills. Students will

deliver an effective oral presentation on a business and/or professional topic. (UO 1)

Critical Thinking and Problem Solving: Students completing the minor will demonstrate effective critical thinking and problem-solving skills. Students will apply critical thinking skills using quantitative techniques for problem solving and strategic decision making. (UO 2)

Ethics: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate an understanding of the history and vocabulary unique to business disciplines. (UO 8)

Information Technology: Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)

Professional Proficiency: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate a knowledge of procedures, concepts, and technical accounting business skills through practical application (budgeting, financial statement analysis). (UO 4)

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 310	Cost Accounting	3
ACCT 313	Intermediate Accounting I	4
ACCT 314	Intermediate Accounting II	4
FINA 320	Managerial Finance	3
ACCT 340	Legal Environment of Business	3
Select one of the following:		3
ACCT 230	Accounting Information Systems	
ACCT 308	Federal Individual Income Tax	
ACCT 411	Auditing Theory and Practice	
Total Hours		20

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ACCOUNTING for SBUS Program Students - (10C)
This program is effective as of Summer 2023
Revised 07.24.2025
UCC 09.05.2023

Business Administration, Minor (Non-BSBA Majors)

The Business Administration minor provides excellent value for non-BSBA students. The program offers essential knowledge in business functional areas such as Economics, Accounting, Finance, Management, and Marketing. The Business Administration minor not only enhances students' career readiness but also cultivates future entrepreneurs.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ECON 201 or ECON 202	Principles of Macroeconomics Principles of Microeconomics	3
ACCT 209	Financial Accounting	3
MKTG 230	Principles of Marketing	3
HCAM 360 or MGMT 351	Healthcare Organizational Dynamics Organizational Behavior	3
Electives		

Select 2 additional courses from the 200, 300, 400 level in any business discipline (ACCT, ECON, FINA, MGMT, MKTG)	6
Select 2 additional courses from the 300 or 400 level in any business discipline (ACCT, ECON, FINA, MGMT, MKTG)	6
Total Hours	24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN BUSINESS ADMINISTRATION (51A)
This program is effective as of Fall 2015.
Revised 07.24.2025
UCC 10.29.19

Business Analytics, Minor
RELATED LINKS

To access Minor Requirements, please view the Curriculum Guide tab.

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 209	Financial Accounting	3
ACCT 429	Accounting Data Analytics	3
ECON 219 or MGMT 219 or STAT 152	Business Analytics I Business Analytics I Elementary Statistics I	3
ECON 319 or MGMT 319	Business Analytics II Business Analytics II	3
MIS 210	Productivity Software	3
Select 6 credits of Electives		6
CPSC 130	Introduction to Computing and Programming	

or CPSC 146	Programming Principles
CPSC 406	Data Visualization
ECON 318	Introduction to Econometrics
FINA 320	Managerial Finance
MGMT 415	Supply Chain Analytics
MIS 310	Business Data Analysis and Visualization
STAT 252	Introduction to Statistical Modeling
or STAT 256	Statistical Computing
Total Hours	21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN BUSINESS ANALYTICS- (10D)

This program is effective as of Summer 2022

Revised 09.17.2025

UCC 03.01.2022

Business Management Pre-MBA, Minor (Non-Business Majors Only)

The Management Pre-MBA minor is essential for students who plan to pursue a MBA degree. This minor provides fundamental knowledge in business functional areas such as Economics, Accounting, Finance, Management, Marketing, and Management Information Systems. The Management Pre-MBA minor prepares non-BSBA students for more advanced courses in the MBA program.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 209	Financial Accounting	3
ACCT 340	Legal Environment of Business	3
ECON 202	Principles of Microeconomics	3
ECON 219	Business Analytics I	3
FINA 320	Managerial Finance	3
HCAM 360	Healthcare Organizational Dynamics	3
or MGMT 351	Organizational Behavior	
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN BUSINESS MANAGEMENT PRE MBA (51K)

For Non BSBA students

This program is effective as of Fall 2018.

Revised 07.24.2025

UCC 10.29.19

Business Undeclared

You will learn a strong foundation in business administration, as well as technical and practical skills in accounting, finance, economics, operations, international management, human resources management and marketing. You will improve your critical-thinking and problem-solving skills. This exploratory program allows you to learn about different business areas while you decide on your major. Students are encouraged to declare a major by their junior year.

PROGRAM LEARNING OUTCOMES

- Critical Thinking and Problem Solving:** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making

- **Communication:** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology:** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics:** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency:** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

RELATED LINKS

Business Undeclared Program Page (<https://www.sru.edu/academics/majors-and-minors/business-undeclared/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall: 2.0 or higher

Core GPA: GPA 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	45
	Electives	33

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
ECON 202	Principles of Microeconomics	3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- You are strongly encouraged to declare a major by the junior year. To assist you in keeping on-track for graduation in a timely manner, consult your My Rock Audit report and meet with your adviser.

Code	Title	Hours
Business Administration Core Requirements		
ACCT 209	Financial Accounting	3
ACCT 322	Business Analysis and Decision Making	3
ACCT 340	Legal Environment of Business	3
ECON 201	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance	3
MGMT 303	Issues in Global Business	3
or FINA 303	Issues in Global Business	
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing	3
Subtotal		42
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Total Hours		45

¹ Course counts for 50% of Major and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

- International study programs (short-term, semester, and year-long)
- High-Impact Practice (HIP) designated classes
- Student-faculty research
- Student leadership development
- Service-learning classes
- Career education and development
- Internships

8. Volunteering in healthcare industry related settings

9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BUSINESS UNDECLARED - BSBA (2398)

This program is effective as of Fall 2019.

Revised 07.23.2025

UCC 4.9.2019

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
MATH 117	Quantitative Reasoning	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
ECON 201	Principles of Macroeconomics	3
MIS 210	Productivity Software ²	3
Optional		
ESAP 110	Beginning Algebra	
Hours		16
Spring		
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
ECON 202	Principles of Microeconomics	3
Hours		15
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
ECON 219	Business Analytics I ²	3
or MGMT 219	or Business Analytics I	
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
Declare a Thematic Thread ³		
Hours		15

Spring

Thematic Thread Requirement (p. 19)	3
ACCT 209 Financial Accounting	3
MGMT 320 Operations Management	3
MGMT 351 Organizational Behavior	3
Elective	3
Hours	15

Third Year**Fall**

Thematic Thread Requirement (p. 19)	3
ECON 319 Business Analytics II ²	3
or MGMT 319 or Business Analytics II	
FINA 303 Issues in Global Business ²	3
or MKTG 303 or Issues in Global Business	
Elective	3
Declare Major: Major Course	3
Hours	15

Spring

Thematic Thread Requirement (p. 19)	3
ACCT 322 Business Analysis and Decision Making	3
FINA 320 Managerial Finance	3
Elective	3
Declare Major: Major Course	3
Hours	15

Fourth Year**Fall**

Thematic Thread Requirement (p. 19)	3
ACCT 340 Legal Environment of Business	3
Declare Major: Major Course	3
Declare Major: Major Course	3
Declare Major: Major Course	3
Optional	
MBA Course ²	
MBA Course ²	
Hours	15

Spring

MGMT 458 Business Capstone ²	3
Declare Major: Major Course	3
Declare Major: Major Course	3
Declare Major: Major Course	3
Elective	3
Optional	
MBA Course ²	
MBA Course ²	
Hours	15
Total Hours**	121

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2398

Revised: 09.23.2025

Economics, Bachelor of Science in Business Administration (BSBA)

A student pursuing a bachelor of science in business administration degree can choose to major in economics. Economics studies how markets allocate resources to promote our personal and collective well-being. It helps students develop a framework for understanding how events affect different markets for goods and services and how the aggregate functioning of the markets determine output, employment and prices. Students are also able to evaluate government policies designed to stabilize the economy, redistribute income, regulate industries and foster international trade.

Economics majors are encouraged to join both Omicron Delta Epsilon, an international honor society in economics, and the Economics, Finance and International Business Club. Both sponsor a variety of professional and social activities which allow students to enhance their out-of-classroom experience, develop a sense of professional common bond and group support among themselves and create a network with off-campus professionals.

All majors are encouraged to do an internship in the summer semester between their junior and senior year. Students may seek placements in their individual area of interest. Internships are available in the areas of banking, insurance, financial advising, financial services, and manufacturing and government. In today's market, employers often offer internships to attract qualified students to their firms.

Economics offers a broader view of the economy than other business related majors. The emphasis is on developing critical thinking and problem solving skills. Graduates are well prepared for careers in the public and private sector and receive an excellent background for furthering their education at graduate or professional schools.

Program Learning Outcomes

- **Communication: (U01)** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Critical Thinking and Problem Solving: (U02)** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making.

¹ Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

² Course counts for 50% of Major and Major GPA.

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

- **Degree Program Writing Competency: (U05)** Students will create written business and professional documents in appropriate style and format.
- **Ethics: (U08)** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to business disciplines.
 - Knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.
- **Information Technology: (U010)** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications.
- **Professional Proficiency: (U05)** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to business disciplines.
 - Knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.

RELATED LINKS

Economics, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/economics/>)

Economics Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Economics.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
FINA 303	Issues in Global Business	
or MGMT 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Business Administration Core Requirements		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 202	Principles of Microeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance ¹	3
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Economic Courses		
ECON 301	Macroeconomic Analysis ²	3
ECON 302	Microeconomic Analysis ²	3
ECON 318	Introduction to Econometrics ²	3
Select one of the following:		3
ECON 304	Money and Banking ²	
or FINA 304	Money and Banking	
FINA 323	Financial Markets and Institutions ²	
Subtotal		12
Required Electives		

Select any two 300-400 level Economic Course (Excluding Internship): ²		6
ECON 304	Money and Banking	
or FINA 304	Money and Banking	
ECON 312	Critical Choices in Health Care Policy	
ECON 315	Economics of Sustainable Development	
ECON 324	Game Theory, Behavioral and Experimental Economics	
ECON 360	Labor Economics	
ECON 390	Experimental	
ECON 490	Independent Study	
ACCT 620	Forensic Accounting ³	
ACCT 626	Budgeting, Performance Management, and Cost Analysis ³	
ACCT 629	Accounting Data Analytics ³	
ACCT 640	Business Law ³	
ECON 602	Managerial Economics ³	
ECON 619	Quantitative Analysis ³	
FINA 603	Global Dynamics of Business ²	
FINA 698	Selected Topics ³	
MKTG 603	Global Dynamics of Business ³	
MKTG 658	Strategic Marketing Management ³	
MIS 610	Business Analysis and Decision Support ³	
MGMT 651	Organizational Dynamics ³	
MGMT 620	Supply Chain Management ³	
Subtotal		6
Total Hours		60

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ You may take up to two graduate courses.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Participation in student organizations
3. International study programs (short-term, semester, and year-long)
4. High-Impact Practice (HIP) designated classes
5. student-faculty research
6. Student leadership development
7. Service-learning classes
8. Career education and development

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-

earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ECONOMICS - BSBA (2316)/CIM 157

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 03.18.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
CPSC 210 or MIS 210	Productivity Software or Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
ESAP 101	FYRST Seminar *	1
Hours		16
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SCI 101 or SCI 102	Science of Life or Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ECON 219 or MGMT 219	Business Analytics I or Business Analytics I	3
ACCT 209	Financial Accounting	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 101 or SCI 102	Science of Life or Understanding the Physical World	3
MIS 265	Management Information Systems	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ECON 301	Macroeconomic Analysis	3
ECON 319 or MGMT 319	Business Analytics II or Business Analytics II	3

FINA 303 or MGMT 303 or MKTG 303	Issues in Global Business or Issues in Global Business or Issues in Global Business	3
MKTG 230	Principles of Marketing	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
ECON 302	Microeconomic Analysis	3
FINA 320	Managerial Finance	3
MGMT 351	Organizational Behavior	3
Thematic Thread Requirement (p. 19)		3
ECON Elective		3
Hours		15
Spring		
ECON 318	Introduction to Econometrics	3
ACCT 322	Business Analysis and Decision Making	3
FINA 323	Financial Markets and Institutions	3
MGMT 320	Operations Management	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
ECON elective		3
ACCT 340	Legal Environment of Business	3
FINA 326	Intermediate Corporate Finance (Recommended Elective)	3
FIN Elective		3
Free Elective		3
Hours		15
Spring		
ACCT 429	Accounting Data Analytics (Recommended Elective)	3
FINA 321	Investments (Recommended Elective)	3
FINA 427	International Financial Management (Recommended Elective)	3
MGMT 458	Business Capstone	3
Free elective		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Note: By choosing the suggested options, students can finish with BSBA double majors in Economics and Finance, or a major in Economics with a minor in Finance.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to**

review and confirm your plan with your adviser at least once each academic year.

Major Code: 2316
Revised: 09.23.2025

Economics, Minor (BSBA Majors Only)

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students pursuing a minor in economics must maintain a minimum GPA of 2.000 in all business courses taken at Slippery Rock University.
- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Economics Courses		
ECON 301	Macroeconomic Analysis (Required)	3
ECON 302	Microeconomic Analysis (Required)	3
ECON 300/400 level		3
ECON 300/400 level		3
Required Business Courses		
FINA 320	Managerial Finance	3
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
MKTG 230	Principles of Marketing	3
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ECONOMICS (16D)
This program is effective as of Summer 2017.
Revised 07.24.2025

Economics, Minor (Non BSBA Majors)

To access Minor Requirements, please view the Curriculum Guide tab.

A minor in economics offers students outside of the business program to gain a certification for proficiency in economics. Economics as a major has become more popular in the last decade and statistics report that majors enjoy earnings advantages over many other disciplines. Adding a minor will enable our students to participate in the robust market for economics. In addition, students interested in public policy, policy evaluation and the growing non-profit sector will benefit from more formal instruction in economics. The minor In economics develops analytical skills and could be very useful to those who want to pursue a graduate and/or professional degree.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Economics Minor Core		
ECON 201	Principles of Macroeconomics (Required)	3
ECON 202	Principles of Microeconomics (Required)	3
ECON 301	Macroeconomic Analysis	3
or ECON 302	Microeconomic Analysis	
Required Economics Courses		9
ECON 300-level or higher Economics course		
POLI 255	Introduction to Public Policy	
POLI 359	Policy Analysis and Evaluation	
HIST 336	American Economic History	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum

categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ECONOMICS (16A)

This program is effective as of Summer 2017.

Revised 07.24.2025

UCC 3.21.2017

Entrepreneurship, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES:

- **Communication:** Students completing the minor will demonstrate competency in oral and written communication skills. Students will write a business plan and deliver an oral presentation. (UO 1)
- **Critical Thinking and Problem Solving:** Students completing the minor will demonstrate effective critical thinking and problem-solving skills by conducting research, evaluating business opportunities and developing a business plan that involves cross-functional analysis. (UO 2)
- **Ethics:** Students completing the minor will have acquired the necessary skills and knowledge to recognize unethical business practices. (UO 8)
- **Information Technology:** Students will demonstrate proficiency in the use of computers and software to conduct research on business opportunities, develop pro forma financial statements, and write a business plan. (UO 10)
- **Professional Proficiency:** Students completing the minor will have acquired the necessary skills and knowledge to recognize opportunities in the marketplace, identify the required resources to launch a business, and develop a roadmap for action through design thinking or business planning. (UO 4)

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 209	Financial Accounting	3
ACCT 340	Legal Environment of Business	3
FINA 341	Entrepreneurial Finance	3
MGMT 370	Sustainable Entrepreneurship and Innovation	3
MKTG 230	Principles of Marketing	3
Elective - Choose 2 from the following:		6
ACCT 322	Business Analysis and Decision Making	
ACCT 450	Internship	
ECON 450	Internship	
FINA 320	Managerial Finance	
FINA 450	Internship	
MGMT 351	Organizational Behavior	
MGMT 450	Internship	
MGMT 459	Sustainable Business Consulting	
MKTG 338	E-Commerce	
MKTG 450	Internship	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Entrepreneurship (51P)/CIM554

Effective Spring 2026

UCC 07.24.2025

Revised: 07.11.2025

Finance, Bachelor of Science in Business Administration (BSBA)

A student pursuing a bachelor of science in business administration degree can choose to major in finance. Finance teaches students about the financial operations and financial management of firms. Students learn about the financial records of firms, the character and appraisal of corporate securities, and financial techniques used in all phases of the discipline. In addition, students may choose elective subjects which permit them to aim at a particular segment of finance, such as corporate finance, commercial and investment banking, and financial planning. Certain courses are offered each semester; others are cycled every other semester or every other year to provide the greatest diversification possible.

Finance majors are encouraged to join the Finance & Economics, and Rock Solid Investment Club. These student organizations sponsor a variety of professional and social activities such as informal gatherings among students, invited guest speakers, annual networking trips, tours, and travel

All majors are encouraged to do an internship in the summer semester between their junior and senior year. Students may seek placements in their individual area of interest. Internships are available in the areas of banking, insurance, financial advising, financial services, manufacturing and government. In today’s market, employers often offer internships to attract qualified students to their firms.

Finance majors are particularly well suited for positions in the private or public sector that require knowledge of financial institutions and financial operations such as commercial banks, investment services companies, insurance companies, and real estate firms.

Program Learning Outcomes

- **Communication (UO1):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Critical Thinking and Problem Solving (UO2):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making.
- **Degree Program Writing Competency (UO5):** Students will create written business and professional documents in appropriate style and format.
- **Ethics (UO8):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:
 - An understanding of the history and vocabulary unique to business disciplines.
 - Knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - The ability to read and interpret financial statements in the decision-making process.
 - Effective team work and collaborative skills in a simulated business environment.
- **Information Technology (UO10):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications.
- **Professional Proficiency (UO5):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate:

- An understanding of the history and vocabulary unique to finance disciplines.
- Knowledge of procedures, concepts, and technical finance skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
- The ability to read and interpret financial statements in the decision-making process.
- Effective team work and collaborative skills in a simulated business environment.

RELATED LINKS

Finance, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/finance/>)

Finance Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Finance.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major Requirements		63
Electives		14-15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	3
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	3
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Social Science Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Natural Sciences Inquiry

SCI 101 Science of Life	3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World	3
Subtotal	15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12

Required Thematic Thread Coursework:

ECON 202 Principles of Microeconomics	

Total Hours	42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Business Administration Core Requirements		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	

ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 303	Issues in Global Business ¹	3
or MGMT 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
FINA 320	Managerial Finance ¹	3
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Finance Courses²		
FINA 200	Personal Financial Planning ²	3
FINA 321	Investments ²	3
FINA 323	Financial Markets and Institutions ²	3
FINA 326	Intermediate Corporate Finance ²	3
FINA 427	International Financial Management ²	3
Subtotal		15
Required Electives²		
Select one of the following options:		6
2 Courses in FIN 3XX/4XX	Finance 300/400-Level Electives ²	
OR		
1 Course in Finance 300/400-Level Electives PLUS one of the following: ²		
ECON 301	Macroeconomic Analysis ²	
ECON 302	Microeconomic Analysis ²	
ECON 304	Money and Banking ²	
ECON 318	Introduction to Econometrics ²	
FINA 603	Global Dynamics of Business ³	
FINA 620	Financial Management ³	
ACCT 640	Business Law ³	
ACCT 620	Forensic Accounting ³	
ACCT 626	Budgeting, Performance Management, and Cost Analysis ³	
ACCT 629	Accounting Data Analytics ³	
ACCT 630	Risk Analysis and Internal Control ³	
ECON 602	Managerial Economics ³	
ECON 619	Quantitative Analysis ³	
MKTG 603	Global Dynamics of Business ³	
MKTG 658	Strategic Marketing Management ³	
MIS 610	Business Analysis and Decision Support ³	
MGMT 651	Organizational Dynamics ³	
MGMT 620	Supply Chain Management ³	
Subtotal		6
Total Hours		63

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ You may take up to two graduate courses.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Participation in student organizations
3. International study programs (short-term, semester, and year-long)
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Service-learning classes
8. Career education and development

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

FINANCE - BSBA (2342)/CIM 193

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 03.18.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
SUBJ 139	Foundations of Academic Discovery ¹	3
CPSC 210 or MIS 210	Productivity Software or Productivity Software	3
Hours		16-17
Spring		
ECON 202	Principles of Microeconomics	3

ENGL 104	Critical Reading	3
SCI 101 or SCI 102	Science of Life or Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ECON 219 or MGMT 219	Business Analytics I or Business Analytics I	3
ACCT 209	Financial Accounting	3
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
SCI 101 or SCI 102	Science of Life or Understanding the Physical World	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ECON 319 or MGMT 319	Business Analytics II or Business Analytics II	3
FINA 200	Personal Financial Planning	3
MGMT 320	Operations Management	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
FINA 303 or MKTG 303	Issues in Global Business or Issues in Global Business	3
FINA 320	Managerial Finance	3
ACCT 322	Business Analysis and Decision Making	3
MGMT 351	Organizational Behavior	3
ECON 302	Microeconomic Analysis (Recommended Electives)	3
Hours		15
Spring		
FINA 321	Investments	3
FINA 323	Financial Markets and Institutions	3
ACCT 340	Legal Environment of Business	3
Thematic Thread Requirement (p. 19)		3
ECON 301	Macroeconomic Analysis (Recommended Elective)	3
Hours		15
Fourth Year		
Fall		
FINA 326	Intermediate Corporate Finance	3
Finance Elective		3
Thematic Thread Requirement (p. 19)		3
Free Elective ³		3

Free Elective ³	3
Hours	15
Spring	
FINA 427 International Financial Management	3
MGMT 458 Business Capstone	3
Finance Elective	3
Thematic Thread Requirement (p. 19) ³	3
ECON 318 Introduction to Econometrics (Recommended Electives)	3
Hours	15
Total Hours**	121-122

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Students may consider using Free Electives for a second major or minor in Accounting or Economics.

* Students are encouraged to take ESAP 101 as a Free Elective.

- Note: By choosing the suggested options, students can finish with BSBA double majors in Finance and Economics, or a major in Finance with a minor in Economics.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2342
Revised: 07.25.2025

Finance, Minor (for BSBA and HCAM students only)

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students pursuing a minor in finance must maintain a minimum GPA of 2.0 in all business courses taken at Slippery Rock University.
- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
FINA 320	Managerial Finance	3
FINA 321	Investments	3
FINA 323	Financial Markets and Institutions	3
FINA 326	Intermediate Corporate Finance	3
FINA 427	International Financial Management	3
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
or HCAM 360	Healthcare Organizational Dynamics	
MKTG 230	Principles of Marketing	3
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN FINANCE for SBUS Program Students - (16B)

This program is effective as of Fall 2019.

Revised 07.24.2025

UCC 07.26.2021

Forensic Accounting, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES:

Communication: Students completing the minor will demonstrate competency in oral and written communication skills. Students will deliver an effective oral presentation on a business and/or professional topic. (UO 1)

Critical Thinking and Problem Solving: Students completing the minor will demonstrate effective critical thinking and problem-solving skills. Students will apply critical thinking skills using quantitative techniques for problem solving and strategic decision making. (UO 2)

Ethics: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate an understanding of the history and vocabulary unique to business disciplines. (UO 8)

Information Technology: Students will demonstrate proficiency in the use of computers and software to manage information with statistical

analysis, spreadsheet, database and other appropriate applications. (UO 10)

Professional Proficiency: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate a knowledge of procedures, concepts, and technical accounting business skills through practical application (budgeting, financial statement analysis). (UO 4)

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 209	Financial Accounting	3
ACCT 230	Accounting Information Systems	3
ACCT 313	Intermediate Accounting I	4
ACCT 320	Forensic Accounting	3
ACCT 422	Accounting Fraud	3
ACCT 429	Accounting Data Analytics	3
Electives (Choose 1)		
CSS 351	Fraud	3
ACCT 450	Internship	
Total Hours		22

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN Forensic Accounting (10E)/CIM 559
This program is effective as of Summer 2025
Revised: 07.11.2025

UCC 04.29.2025

Hospitality and Tourism Management, Bachelor of Science (BS)

Program Learning Outcomes

- **Communication Skills:** HTM graduates demonstrate quality written and verbal communication skills as applied to hospitality/tourism and guest relations. (SRU SLO #1)
- **Business Skills:** HTM graduates demonstrate competency in business skills needed to manage related departments within the hospitality/tourism industry. (SRU SLO #2)
- **Competency in Historical Perspectives:** HTM graduates demonstrate competency in the historical perspective of the hospitality and tourism industry to ongoing social, cultural, and political policies or constraints. (SRU SLOs #5 and #7)
- **Competency in Administration, Programming, and Event Planning:** HTM graduates demonstrate competency in administration, programming, event and meeting planning skills related to the hospitality and tourism industry. (SRU SLO #2)
- **Demonstrate Professional Values and Behavior:** HTM graduates demonstrate professional values and behavior within the field of hospitality and tourism. (SRU SLO #8)
- **Competency in Sustainable Hospitality and Tourism:** HTM graduates demonstrate competency in sustainable hospitality and tourism practices. (SRU SLOs #7, #9)
- **Competency in Planning and Evaluation:** HTM graduates demonstrate competency in planning and evaluating hospitality and tourism facilities. (SRU SLO #4)

RELATED LINKS

Hospitality and Tourism Management, Bachelor of Science (BS), BS Program Page (<https://www.sru.edu/academics/majors-and-minors/resort-recreation-and-hospitality-management/>)

Hospitality and Tourism Management Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/undergraduate/hemt-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Resort, Recreation & Hospitality Management Core		
HEMT 112	Introduction to HEMT ¹	3
HEMT 114	Sustainability in Food and Hospitality ¹	3
HEMT 210	Contemporary Travel and Tourism ¹	3
HEMT 215	Public Relations for Hospitality, Event Management & Tourism ¹	3
HEMT 222	Programming and Leadership for HEMT ¹	3
HEMT 316	Management of Hospitality & Tourism Facilities ¹	3
HEMT 322	Food and Beverage Operations ¹	3
HEMT 326	Introduction to Meetings and Event Management ¹	3
HEMT 351	Practicum in HEMT ¹	3
HEMT 415	Challenges and Trends in Hospitality, Event Management & Tourism ¹	3
Subtotal		30
Required Internship		
HEMT 450	Internship in HEMT ¹	12
Subtotal		12
Resort, Recreation & Hospitality Management Track		
HEMT 311	Principles of Commercial Recreation/ Tourism ¹	3
HEMT 312	Commercial Recreational Feasibility Studies ¹	3
HEMT 320	Hospitality and Tourism Marketing ¹	3
HEMT 416	Resort Recreation Programming ¹	3
HEMT 417	Hotel/Lodging & Hospitality Management ¹	3
HEMT 420	Event Production and Coordination ¹	3
Subtotal		18
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. 120-hour Practicum and 480-hour Internship experience (required)
2. Career education and development through interaction with industry professionals

3. Networking skills including opportunity to attend national industry conference
4. Membership opportunities in career-related professional organizations
5. Volunteering opportunities with community and campus organizations
6. High-Impact Practice (HIP) designated classes

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Bachelor of Science in Hospitality and Tourism Management (2375)

This program is effective as of Summer 2024.

Revised: 07.23.2025

UCC 10.03.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HEMT 112	Introduction to HEMT	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery	3
	Creative & Aesthetic Inquiry (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
Hours		16
Spring		
HEMT 114	Sustainability in Food and Hospitality	3
ENGL 104	Critical Reading ¹	3
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
Hours		15
Second Year		
Fall		
HEMT 222	Programming and Leadership for HEMT	3
	Civil Discourse - Select one of the following:	3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
	Declare a Thematic Thread ²	
Hours		15

Spring

HEMT 210	Contemporary Travel and Tourism	3
HEMT 215	Public Relations for Hospitality, Event Management & Tourism ¹	3
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
	Rock Studies 2 Course (p. 19)	3
Hours		15

Third Year

Fall

HEMT 311	Principles of Commercial Recreation/ Tourism	3
HEMT 322	Food and Beverage Operations	3
HEMT 320	Hospitality and Tourism Marketing	3
Minor Course		3
Minor Course		0
Hours		12

Spring

HEMT 312	Commercial Recreational Feasibility Studies	3
HEMT 316	Management of Hospitality & Tourism Facilities	3
HEMT 326	Introduction to Meetings and Event Management	3
Free Elective/Minor Course		3
Minor Course		0
Hours		12

Summer

(Taken after Third Year Spring)

HEMT 351	Practicum in HEMT	3
Hours		3

Fourth Year

Fall

HEMT 417	Hotel/Lodging & Hospitality Management	3
HEMT 420	Event Production and Coordination	3
Free Elective/Minor Course		3
Free Elective/Minor Course		3
Minor Course		0
Hours		12

Spring

HEMT 415	Challenges and Trends in Hospitality, Event Management & Tourism	3
HEMT 416	Resort Recreation Programming	3
Free Elective/Minor Course		3
Minor Course		0
Minor Course		0
Hours		9

Summer

(Taken after Fourth Year Spring)

HEMT 450	Internship in HEMT	12
Hours		12
Total Hours**		121

- ¹ Course has a prerequisite. See undergraduate online catalog.
² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
 * Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2375

Revised date: 07.25.2025

Hospitality and Tourism Management, Minor

Program Learning Outcomes

1. Students will demonstrate a comprehensive understanding of the hospitality and tourism industry, including key sectors, career paths, and relevance to the overall global economy (UO 1,9)
2. Students will apply best practices in customer service to create exceptional guest experiences, demonstrating empathy, cultural sensitivity and communication skills in all areas of the service economy. (UO 1,5,7)
3. Students will develop the skills to effectively plan, organize, and manage operations for private, entertainment, and corporate meetings and events. (UO 1,2,6)
4. Students will analyze and interpret financial and economic data relevant to hospitality and tourism, enabling them to make informed business decisions (UO 2,4)
5. Students will evaluate and apply sustainable and ethical practices in hospitality and tourism settings, demonstrating an understanding of environmental stewardship, social responsibility, and ethical decision-making in a global context. (UO 7,8)

RELATED LINKS

To access Minor Requirements, please view the Curriculum Guide tab.

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
<i>Select 3 Courses</i>		
HEMT 112	Introduction to HEMT	9

HEMT 114	Sustainability in Food and Hospitality
HEMT 210	Contemporary Travel and Tourism
HEMT 326	Introduction to Meetings and Event Management
Electives	
<i>Select 3 Courses</i>	
HEMT 322	Food and Beverage Operations
HEMT 324	Legal Issues in Hospitality and Tourism Management
HEMT 415	Challenges and Trends in Hospitality, Event Management & Tourism
HEMT 416	Resort Recreation Programming
HEMT 417	Hotel/Lodging & Hospitality Management
MGMT 351	Organizational Behavior
MGMT 370	Sustainable Entrepreneurship and Innovation
COMM 217	Intercultural Communication
COMM 405	Global Media
Total Credit Hours:	
18	

- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Hospitality and Tourism Management (51N)/CIM 544

UCC 01.28.2025

Revised: 07.01.2025

Hospitality Management, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Hospitality Management, Certificate Program Page (<https://www.sru.edu/academics/certificates/hospitality-management-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 2.0 or higher

Certificate Requirements

- Students must complete at least 6 credit hours in their Concentration from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A Certificate shall be no fewer than 12 credits.

Code	Title	Hours
Required Courses		
HEMT 112	Introduction to HEMT	3
HEMT 114	Sustainability in Food and Hospitality	3
Subtotal		6
Electives		
Select six credits from the following:		6
HEMT 322	Food and Beverage Operations	
HEMT 326	Introduction to Meetings and Event Management	
HEMT 416	Resort Recreation Programming	
HEMT 417	Hotel/Lodging & Hospitality Management	
Subtotal		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Hospitality Management (237C)

Effective Fall 2021

Revised 07.26.2

UCC 03.02.21

Human Resource Management, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

Program Learning Outcomes

- **Critical Thinking and Problem Solving (UL02):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making

- **Communication (UL01):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology (UL010):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics (UL08):** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will: apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency (UL05):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

Related Links

Human Resource Management, Certificate Page (<https://www.sru.edu/academics/colleges-and-departments/cob/school-of-business/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Certificate GPA: 2.0 or higher

Certificate Requirements

Course List

Code	Title	Hours
MGMT 354	Human Resources Management	3
MGMT 364	Recruitment and Selection	3
MGMT 452 or MGMT 455	Management-Labor Relations Compensation Management	3
MGMT 460	Training and Development	3
Total Hours		12

*Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Certificate Requirement

Students must complete at least 12 credit hours from SRU

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Human Resources (2HRM)

Effective Summer 2025

Revised 07.03.2025

UCC 02.11.2025

Human Resource Management, Minor (BSBA and HCAM Majors)

The Human Resource Management minor provides excellent value for BSBA and HCAM students. The program offers essential knowledge in a solid introduction to HR systems and practices that offer the ability to become an HR manager. The HRM minor will broaden the learning experiences and professional opportunities of Business majors by creating a second focus in HR management. You will be prepared to work in the field of HRM in small, medium, and large organizations in either the public or private sector.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA: 2.0 or higher

Minor Requirements

Code	Title	Hours
Required Courses		
MGMT 354	Human Resources Management	3
HRM Minor (Core)		
MGMT 364	Recruitment and Selection	3
MGMT 455	Compensation Management	3
MGMT 460	Training and Development	3
Additional Courses		
Select two of the following:		6
MGMT 341	Organizational Leadership	

MGMT 450	Internship
MGMT 451	Employment Law
MGMT 452	Management-Labor Relations
Total Hours	18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Human Resource Management (51H)/CIM 250

This program is effective as of Summer 2025

Revised 04.16.2025

UCC 02.11.2025

Human Resource Management, Minor (Non-BSBA Majors)

The Human Resource Management minor provides excellent value for non BSBA students. The program offers essential knowledge in a solid introduction to HR systems and practices that offer the ability to become an HR manager. The HRM minor will broaden the learning experiences and professional opportunities of Business majors by creating a second focus in HR management. You will be prepared to work in the field of HRM in small, medium, and large organizations in either the public or private sector.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

GPA: 2.0 or higher

MINOR REQUIREMENTS

Code	Title	Hours
Required Courses		
MGMT 351	Organizational Behavior	3
MGMT 354	Human Resources Management	3
HRM Minor (Core)		
MGMT 364	Recruitment and Selection	3
MGMT 455	Compensation Management	3

MGMT 460	Training and Development	3
Additional Courses		
Select one of the following:		3
MGMT 341	Organizational Leadership	
MGMT 450	Internship	
MGMT 452	Management-Labor Relations	
SFMG 118	Introduction to Safety	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Human Resource Management (51M)/CIM 251

This program is effective as of Summer 2025

Revised 07.03.2025

UCC 02.11.2025

Information Systems, Bachelor of Science (BS)

Program Learning Outcomes

- **Communication and Interpersonal Skills:** Use written, oral and electronic methods for effective communication. (UO 1) The student will be able to:
 - Participate effectively on teams to accomplish a common goal.
 - Communicate effectively with a range of audiences using various mechanisms, formally or informally with excellent oral, written, and listening skills.
 - Analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people.
 - Demonstrate persistence, flexibility, curiosity, creativity, risk taking, and a tolerance of these abilities in others.
 - Devise effective user interfaces for information systems.
- **Ethical and Professional Responsibilities:** Discern and articulate the impact of technologies on society. (UO 8) The student will be able to:
 - Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution.
 - Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem.
 - Assess the impact of information systems and associated technologies on individuals, groups, organizations, society, and

the world for the purpose of making informed decisions from a sociological, governmental, legal, and/or security perspective.

- Critically evaluate and possibly act on current ethical issues in the IS field.
- Apply IS professional codes of conduct.
- **Information Technology:** Have proficient use of computers and software to manage information statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)
 - Understand, apply and adapt various problem-solving strategies, using appropriate technology and methods.
 - Identify information systems problems and/or opportunities in terms of the human, organizational, informational and technology dimensions.
 - Analyze issues surrounding the problem and/or opportunity in terms of the human, organizational, informational, and technology dimensions; and determine the requirements appropriate to understanding the situation.
 - Design systems, architectures, processes, components, or programs to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
 - Evaluate the success of systems, architecture, processes, components, or programs intended to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
- **Professional Proficiency:** Evaluate the necessary skills and knowledge to meet professional competencies as information systems professionals and global citizens. (UO 5 & 9) The student will be able to:
 - Define the history and vocabulary unique to information systems professionals.
 - Understand and apply the interdisciplinary, theoretical knowledge of information systems.
 - Define and explain the core concepts, principles, processes, and theories within the academic major of IS.
 - Apply the core concepts of the academic majors of IS to real-world problems.
 - Collaborate with other professionals as well as perform successfully at the individual level.

Related Links

Information Systems, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/information-systems/>)

Information Systems Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-InfoSystems.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	54-57
	Electives	24

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Management Information System Courses		
MIS 210	Productivity Software ¹	3
Select one of the following:		3
MIS 211	Information Systems Application Development ¹	
CPSC 130	Introduction to Computing and Programming ¹	
CPSC 146	Programming Principles ¹	
MIS 300	Challenges of Computer Technology ¹	3
MIS 301	Practical Computer Security ¹	3
MIS 323	Data Base Systems ¹	3
MIS 353	Business Data Communications and Technologies ¹	3
MIS 413	Systems Analysis ¹	3
MIS 443	Project Management ¹	3
MIS 453	Fundamentals of Enterprise Architecture ¹	3
Subtotal		27
Required Math Courses		
ECON 219	Business Analytics I ²	3
or MGMT 219	Business Analytics I	
Subtotal		3
Required Business Environment Courses		
ACCT 209	Financial Accounting ¹	3
ECON 201	Principles of Macroeconomics ¹	3
or ECON 202	Principles of Microeconomics	
MGMT 320	Operations Management ^{1,3}	3
MGMT 351	Organizational Behavior ^{1,3}	3
MIS 265	Management Information Systems ¹	3
Subtotal		15
Electives		

Select one of the following seven areas below:	9-12
Business (p. 64)	
Geographic Information Systems (GIS) (p. 64)	
Health Care Administration Management (p. 64)	
Programming (p. 64)	
Safety (p. 64)	
Security (p. 64)	
Web Technology (p.)	
Digital Media (p. 65)	
Big Data (p. 65)	
Subtotal	9-12
Total Hours	54-57

¹ Course counts for 50% of Major and Major GPA² Course counts for 50% of Major and not for Major GPA³ Students may select up to two graduate-level courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Business

Code	Title	Hours
Select one of the following:		3
MKTG 338	E-Commerce ¹	
MGMT 620	Supply Chain Management ³	
MGMT 651	Organizational Dynamics ³	
MIS 610	Business Analysis and Decision Support ³	
Upper division ²		3
Select one of the following:		3
Upper division ²		
MIS 450	Internship ¹	
Total Hours		9

¹ Course counts for 50% of Major and Major GPA² Any upper division course from BSBA discipline.³ Students may select up to two graduate-level courses**Geographic Information Systems (GIS)**

Code	Title	Hours
GES 115	Introduction to Geospatial Technologies ¹	3
GES 315	Cartography I ¹	3
GES 325	Introduction to Geographic Information Science ¹	3
Select one of the following:		3
GES 410	Remote Sensing ¹	
GES 425	Advanced Geographic Information Systems ¹	
GES 450	Internship ¹	
Total Hours		12

¹ Course counts for 50% of Major and Major GPA**Health Care Administration Management**

Code	Title	Hours
HCAM 230	US Healthcare Systems ¹	3
MIS 403	Introduction to Healthcare Information Systems ¹	3
Select one of the following:		3
HCAM 300/400 level	Any upper division HCAM course ^{1,2}	
MIS 450 or HCAM 450	Internship ¹ Internship-Health Care Administration & Management	
Total Hours		9

¹ Course counts for 50% of Major and Major GPA² Except HCAM 360**Programming**

Code	Title	Hours
CPSC 246	Object-Oriented Programming ¹	3
CPSC 374	Algorithms and Data Structures ¹	3
Select one of the following:		3
CPSC 300/400 level	Any upper division CPSC course not used above ¹	
MIS 450	Internship ¹	
Total Hours		9

¹ Course counts for 50% of Major and Major GPA**Safety**

Code	Title	Hours
SFMG 318	Principles of Industrial Hygiene ¹	3
SFMG 418	Security in the Workplace ¹	3
Select one of the following:		3
MGMT 354 or MIS 450	Human Resources Management ¹ Internship	
Total Hours		9

¹ Course counts for 50% of Major and Major GPA**Security**

Code	Title	Hours
CSS 120	Introduction to Private Security ¹	3
MIS 333	Introduction to Computer Forensics ¹	3
MIS 401 or MIS 450	Information Systems Security ¹ Internship	3
Total Hours		9

¹ Course counts for 50% of Major and Major GPA**Web Technologies**

Code	Title	Hours
CPSC 217	Advanced Web Programming ¹	3
CPSC 337	Introduction to Web Graphics ¹	3
Select one of the following:		3

CPSC 317	Server-Side Scripting ¹	
MIS 450	Internship ¹	
MKTG 338	E-Commerce ¹	
Total Hours		9

¹ Course counts for 50% of Major and Major GPA

Digital Media

Code	Title	Hours
Select three of the following:		9
COMM 248	Interactive Multimedia 1	
COMM 258	Interactive Multimedia 2	
COMM 307	Social Media	
MIS 450	Internship	
Total Hours		9

Big Data

Code	Title	Hours
Select three of the following:		9
MIS 328	Exploring Big Data for Business I	
MIS 423	Advanced Business Database Systems	
MIS 428	Exploring Big Data for Business II	
Total Hours		9

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

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PASSHE - Pennsylvania State System of Higher Education Institutions

INFORMATION SYSTEMS - BS (2240)/CIM 254/4E

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 02.11.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
MIS 210	Productivity Software	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Rock Studies 2 Requirements (p. 19)		3
Rock Studies 2 Requirements (p. 19)		3
Hours		16
Spring		
ENGL 104	Critical Reading	3
ECON 219	Business Analytics I	3
or MGMT 219 or Business Analytics I		
MIS 265	Management Information Systems	3
Rock Studies 2 Requirements (p. 19)		3
Rock Studies 2 Requirements (p. 19)		3
Hours		15
Second Year		
Fall		
ACCT 209	Financial Accounting	3
Select one of the following:		3
MIS 211	Information Systems Application Development	
CPSC 130	Introduction to Computing and Programming	
CPSC 146	Programming Principles	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Rock Studies 2 Requirements (p. 19)		3
Rock Studies 2 Requirements (p. 19)		3
Hours		15
Spring		
MGMT 351	Organizational Behavior	3
MIS 323	Data Base Systems	3
ECON 201	Principles of Macroeconomics	3
or ECON 202 or Principles of Microeconomics		
Rock Studies 2 Requirements (p. 19)		3
Rock Studies 2 Requirements (p. 19)		3
Hours		15
Third Year		
Fall		
MIS 300	Challenges of Computer Technology	3
MIS 301	Practical Computer Security	3
MGMT 320	Operations Management	3
MIS 323	Data Base Systems (or free elective)	3
Elective		3
Hours		15

Spring

MIS 353	Business Data Communications and Technologies	3
MGMT 351	Organizational Behavior	3
Information Systems Elective		3
Elective		3
Elective		3
Hours		15

Fourth Year**Fall**

MIS 413	Systems Analysis	3
Rock Studies 2 Requirements (p. 19)		3
Information Systems Elective		3
Elective		3
Elective		3
Hours		15

Spring

MIS 443	Project Management	3
MIS 453	Fundamentals of Enterprise Architecture	3
Information Systems Elective		3
Elective		3
Elective		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2240
Revised: 07.25.2025

Information Systems, Minor

A minor in Information Systems is designed for students who are pursuing bachelor's degrees in fields other than information systems and who wish to continue their education in information systems. Candidates for the minor are required to complete a total of 21 credit hours.

The minor is designed to provide more than a basic knowledge of information systems. Specifically, persons completing the program are expected to achieve competency in understanding information systems terminology, concepts and principles; proper application and knowledge of current hardware and software; data communications; and planning and carrying out system development and the management of information systems. Students acquiring these skills are well-received in the business community and in governmental organizations.

PROGRAM LEARNING OUTCOMES

- **Communication and Interpersonal Skills:** Use written, oral and electronic methods for effective communication. (UO 1) The student will be able to:
 - Participate effectively on teams to accomplish a common goal.
 - Communicate effectively with a range of audiences using various mechanisms, formally or informally with excellent oral, written, and listening skills.
 - Analyze, and incorporate diverse ideas and broader perspectives represented in the diversity of people.
 - Demonstrate persistence, flexibility, curiosity, creativity, risk taking, and a tolerance of these abilities in others.
 - Devise effective user interfaces for information systems.
- **Ethical and Professional Responsibilities:** Discern and articulate the impact of technologies on society. (UO 8) The student will be able to:
 - Understand professional responsibilities in terms of the ethical, legal, security and social aspects of any given problem and its solution.
 - Demonstrate an understanding of the cognitive, social, legal, ethical, diversity, and security perspectives surrounding a given problem.
 - Assess the impact of information systems and associated technologies on individuals, groups, organizations, society, and the world for the purpose of making informed decisions from a sociological, governmental, legal, and/or security perspective.
 - Critically evaluate and possibly act on current ethical issues in the IS field.
 - Apply IS professional codes of conduct.
- **Information Technology:** Have proficient use of computers and software to manage information statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)
 - Understand, apply and adapt various problem-solving strategies, using appropriate technology and methods.
 - Identify information systems problems and/or opportunities in terms of the human, organizational, informational and technology dimensions.
 - Analyze issues surrounding the problem and/or opportunity in terms of the human, organizational, informational, and technology dimensions; and determine the requirements appropriate to understanding the situation.
 - Design systems, architectures, processes, components, or programs to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
 - Evaluate the success of systems, architecture, processes, components, or programs intended to meet desired needs of the human context at varying levels of analysis (e.g., individual, group, organization, society, and/or world).
- **Professional Proficiency:** Evaluate the necessary skills and knowledge to meet professional competencies as information systems professionals and global citizens. (UO 5 & 9) The student will be able to:
 - Define the history and vocabulary unique to information systems professionals.
 - Understand and apply the interdisciplinary, theoretical knowledge of information systems.
 - Define and explain the core concepts, principles, processes, and theories within the academic major of IS.

- Apply the core concepts of the academic majors of IS to real-world problems.
- Collaborate with other professionals as well as perform successfully at the individual level.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- A student cannot major or minor in the same discipline/academic area, but may minor in a specialization offered by his/her major department.
- The Information Systems minor must submit this self-maintained progress sheet to the Information Systems and Technology Management Department for verification.

Code	Title	Hours
Required Courses		
MIS 210	Productivity Software	3
MIS 265	Management Information Systems	3
MIS 301	Practical Computer Security	3
MIS 323	Data Base Systems	3
MIS 413	Systems Analysis	3
Elective		
Select one of the following		3
MIS 310	Business Data Analysis and Visualization	
MIS 333	Introduction to Computer Forensics	
MIS 401	Information Systems Security	
MIS 403	Introduction to Healthcare Information Systems	
MIS 443	Project Management	
MIS 453	Fundamentals of Enterprise Architecture	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Information Systems (14B)

This program is effective as of Summer 2023

Revised 03.03.2023

UCC 02.28.2023

Internal Audit, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES:

Communication: Students completing the minor will demonstrate competency in oral and written communication skills. Students will deliver an effective oral presentation on a business and/or professional topic. (UO 1)

Critical Thinking and Problem Solving: Students completing the minor will demonstrate effective critical thinking and problem-solving skills. Students will apply critical thinking skills using quantitative techniques for problem solving and strategic decision making. (UO 2)

Ethics: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate an understanding of the history and vocabulary unique to business disciplines. (UO 8)

Information Technology: Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database and other appropriate applications. (UO 10)

Professional Proficiency: Students completing the minor will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will demonstrate a knowledge of procedures, concepts, and technical accounting business skills through practical application (budgeting, financial statement analysis). (UO 4)

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ACCT 209	Financial Accounting	3
ACCT 230	Accounting Information Systems	3
ACCT 310	Cost Accounting	3
ACCT 313	Intermediate Accounting I	4
ACCT 320	Forensic Accounting	3
ACCT 429	Accounting Data Analytics	3
ACCT 430	Internal Auditing	3
Electives (Choose 1)		3
ACCT 450	Internship	
CSS 354	Risk Assessment and Fraud Prevention	
Total Hours		25

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN Internal Audit (10F)/CIM 556

This program is effective as of Summer 2025

Revised 07.11.2025

UCC 04.29.2025

Management, Bachelor of Science in Business Administration (BSBA) - Concentration in General Management

Management is one of the most versatile majors that can be applied in both private and public sectors. SRU's Bachelor of Science in Business Administration (BSBA) with a major in management prepares graduates to assume entry-level managerial positions that involve facilitating the achievement of organizational goals by mobilizing the efforts of human resources and external stakeholders. Alumni land jobs in fields such as human resources, entrepreneurship and small business management, marketing and sales management, and operations and supply chain management, just to name a few.

Policy for Changing to Management Major:

A Slippery Rock University student wishing to change their major to Management MUST have a minimum overall GPA of 2.0.

Program Learning Outcomes

- **Critical Thinking and Problem Solving (U02):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making
- **Communication (U01):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology (U010):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics (U08):** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency (U05):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

Related Links

Management - General Management, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/management-general-management/>)

Management On-line Completion Page (<https://catalog.sru.edu/undergraduate/business/management-marketing/management-bsba-online-degree-completion-program/>)

Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Management.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major Requirements		63
Electives		15

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	0-3
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 35 major credits must be taken at SRU or PASSHE
- 35 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance ¹	3
or FINA 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
MGMT 303	Issues in Global Business ¹	3
or FINA 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Management Courses		
MGMT 354	Human Resources Management ²	3

MGMT 454	Management Seminar ²	3
MGMT 457	International Management ²	3
Subtotal		9
General Management Concentration Electives		
<i>Required Courses</i>		
MGMT 456	Management and Society ²	3
Plus select 3 courses from the following:		9
MGMT 341	Organizational Leadership ²	
MGMT 352	Supply Chain Management ²	
MGMT 357	International Operations Management ²	
MGMT 459	Sustainable Business Consulting ²	
MGMT 360	Total Quality Management ²	
MGMT 364	Recruitment and Selection ²	
MGMT 370	Sustainable Entrepreneurship and Innovation ²	
MGMT 415	Supply Chain Analytics ²	
MGMT 450	Internship ²	
MGMT 451	Employment Law ²	
or ACCT 451	Employment Law	
MGMT 452	Management-Labor Relations ²	
MGMT 455	Compensation Management ²	
MGMT 460	Training and Development ²	
MGMT 620	Supply Chain Management	
MGMT 651	Organizational Dynamics ³	
MIS 610	Business Analysis and Decision Support ³	
Subtotal		12
Total Hours		63

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ You may take up to two graduate-level courses.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student clubs and organizations
4. Internships
5. Service-learning classes
6. Career education and development
7. Student leadership development
8. Student-faculty research
9. Volunteering
10. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MANAGEMENT - BSBA (2350)/CIM 276

Concentration in General Management (GEMG)/4F

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 02.11.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 117 or MATH 123 or MATH 225	Quantitative Reasoning or Introduction to Applied Calculus or Calculus I	3
MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Optional		
ESAP 110	Beginning Algebra	
CPSC 100	Introduction to Computing for Liberal Arts (or Computer Competency Exam)	
Hours		16
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ECON 219 or MGMT 219	Business Analytics I or Business Analytics I	3
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ³		
Hours		15
Spring		
ACCT 209	Financial Accounting	3

MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
Elective		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
ECON 319 or MGMT 319	Business Analytics II or Business Analytics II	3
FINA 303 or MKTG 303	Issues in Global Business or Issues in Global Business	3
MGMT 354	Human Resources Management	3
Elective		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ACCT 322	Business Analysis and Decision Making	3
FINA 303	Issues in Global Business	3
FINA 320	Managerial Finance	3
MGMT 450	Internship (OR MGMT Elective)	3
Elective		3
Hours		15
Fourth Year		
Fall		
ACCT 340	Legal Environment of Business	3
MGMT 457	International Management	3
MGMT 456	Management and Society	3
Management Elective		3
Thematic Thread Requirement (p. 19)		3
Optional		
MBA Course ²		
MBA Course ²		
Hours		15
Spring		
MGMT 458	Business Capstone	3
MGMT 454	Management Seminar	3
Management Elective		3
Elective		3
Elective		3
Optional		
MBA Course ²		
MBA Course ²		
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject

² SRU Undergraduates who have earned 90 or more credits (including in-progress courses) with a minimum 2.75 GPA are eligible to apply, enroll, and earn graduate level credit. Credits earned are graduate level only, separate from the undergraduate credits earned for the degree and are not calculated in the student's undergraduate credit and grade point totals. See policy details here: Senior Undergraduate Students Earning Graduate Credit (p. 1207).

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2350

Concentration Code: GEMG

Revised: 07.25.2025

Management, Bachelor of Science in Business Administration (BSBA) - Concentration in Human Resources

Management is one of the most versatile majors that can be applied in both private and public sectors. SRU's Bachelor of Science in Business Administration (BSBA) with a major in management prepares graduates to assume entry-level managerial positions that involve facilitating the achievement of organizational goals by mobilizing the efforts of human resources and external stakeholders. Alumni land jobs in fields such as human resources, entrepreneurship and small business management, marketing and sales management, and operations and supply chain management, just to name a few.

A concentration in human resources focuses specifically on issues related to workforce recruitment, training and development, labor and employment law, and compensation.

Policy for Changing to Management Major:

A Slippery Rock University student wishing to change their major to Management MUST have a minimum overall GPA of 2.0.

Program Learning Outcomes

- **Critical Thinking and Problem Solving (U02):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making
- **Communication (U01):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology (U010):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.

- **Ethics (U08):** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency (U05):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

Related Links

Management - Human Resources, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/management-human-resources/>)

Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Management.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major Requirements		66
Electives		12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4

MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 33 major credits must be taken at SRU or PASSHE
- 33 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 303	Issues in Global Business	3
or MGMT 303	Issues in Global Business	
or MKTG 303	Issues in Global Business	
FINA 320	Managerial Finance ¹	3
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Management Courses		
MGMT 354	Human Resources Management ²	3
MGMT 454	Management Seminar ²	3
MGMT 457	International Management ²	3
Subtotal		9
Human Resources Concentration Electives		
<i>Required Courses</i>		
MGMT 364	Recruitment and Selection ²	3
MGMT 452	Management-Labor Relations ²	3
MGMT 455	Compensation Management ²	3
MGMT 460	Training and Development ²	3
Plus select one from the following:		3
MGMT 341	Organizational Leadership ²	
MGMT 450	Internship	
MGMT 456	Management and Society ²	
MGMT 620	Supply Chain Management	
MGMT 651	Organizational Dynamics	
MIS 610	Business Analysis and Decision Support	
Subtotal		15
Total Hours		66

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student clubs and organizations
4. Internships
5. Service-learning classes
6. Career education and development
7. Student leadership development
8. Student-faculty research
9. Volunteering
10. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MANAGEMENT - BSBA (2350)/CIM 277

Concentration in Human Resources (HURS)/4G

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 02.11.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 117	Quantitative Reasoning	3
or MATH 123	or Introduction to Applied Calculus	
or MATH 225	or Calculus I	
MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Optional		
ESAP 110	Beginning Algebra	
CPSC 100	Introduction to Computing for Liberal Arts (or Computer Competency Exam)	
Hours		16
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3

Creative & Aesthetic Inquiry (p. 19)	3
Humanities Inquiry (p. 19)	3
Hours	15
Second Year	
Fall	
ECON 219 or MGMT 219	Business Analytics I or Business Analytics I 3
MIS 265	Management Information Systems 3
MKTG 230	Principles of Marketing 3
SCI 102	Understanding the Physical World 3
Select one of the following:	3
COMM 200	Civil Discourse: Theory & Practice
PHIL 110	Ethics and Civil Discourse
POLI 235	Civil Discourse and Democracy
Declare a Thematic Thread ³	
Hours	15
Spring	
ACCT 209	Financial Accounting 3
MGMT 320	Operations Management 3
MGMT 351	Organizational Behavior 3
Thematic Thread Requirement (p. 19)	3
Elective	3
Hours	15
Third Year	
Fall	
ECON 319 or MGMT 319	Business Analytics II or Business Analytics II 3
FINA 303 or MKTG 303	Issues in Global Business or Issues in Global Business 3
MGMT 354	Human Resources Management 3
Thematic Thread Requirement (p. 19)	3
Elective	3
Hours	15
Spring	
ACCT 322	Business Analysis and Decision Making 3
FINA 320	Managerial Finance 3
MGMT 341 or MGMT 456	Organizational Leadership (or MGMT 450 Internship) or Management and Society 3
MGMT 460	Training and Development 3
Thematic Thread Requirement (p. 19)	3
Hours	15
Fourth Year	
Fall	
ACCT 340	Legal Environment of Business 3
MGMT 364	Recruitment and Selection 3
MGMT 452	Management-Labor Relations 3
MGMT 457	International Management 3
Thematic Thread Requirement (p. 19)	3
Optional	
MBA Course ²	
MBA Course ²	
Hours	15

Spring

MGMT 454	Management Seminar	3
MGMT 455	Compensation Management	3
MGMT 456	Management and Society	3
MGMT 458	Business Capstone	3
Elective		3
Optional		
MBA Course ²		
MBA Course ²		
Hours		15
Total Hours**		121

¹ *Course offered in multiple subjects; cannot take course in first major subject.

² SRU Undergraduates who have earned 90 or more credits (including in-progress courses) with a minimum 2.75 GPA are eligible to apply, enroll, and earn graduate level credit. Credits earned are graduate level only, separate from the undergraduate credits earned for the degree and are not calculated in the student's undergraduate credit and grade point totals. See policy details here: Senior Undergraduate Students Earning Graduate Credit (p. 1207).

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2350

Concentration Code: HURS

Revised: 07.25.2025

Management, Bachelor of Science in Business Administration (BSBA) - Concentration in Supply Chain Management

Management is one of the most versatile majors that can be applied in both private and public sectors. SRU's Bachelor of Science in Business Administration (BSBA) with a major in management prepares graduates to assume entry-level managerial positions that involve facilitating the achievement of organizational goals by mobilizing the efforts of human resources and external stakeholders. Alumni land jobs in fields such as human resources, entrepreneurship and small business management, marketing and sales management, and operations and supply chain management, just to name a few.

A concentration in supply chain management focuses on procurement, production, operations, logistics, coordination and collaboration, and reverse supply chains.

Policy for Changing to Management Major:

A Slippery Rock University student wishing to change their major to Management MUST have a minimum overall GPA of 2.0.

Program Learning Outcomes

- **Critical Thinking and Problem Solving (UO2):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making
- **Communication (UO1):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology (UO10):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics (UO8):** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency (UO5):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

Related Links

Management - Supply Chain Management, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/management-supply-chain-management/>)

Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Management.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42-43
	Other Basic Requirements	0-3
	Major Requirements	66
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		

ECON 202	Principles of Microeconomics	
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 35 major credits must be taken at SRU or PASSHE
- 35 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
ECON 219	Business Analytics I ¹	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance ¹	3
MGMT 303	Issues in Global Business ¹	3
or MKTG 303	Issues in Global Business	
or FINA 303	Issues in Global Business	
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
CPSC 210	Productivity Software ¹	3
or MIS 210	Productivity Software	
Subtotal		3
Required Management Courses		
MGMT 354	Human Resources Management ²	3

MGMT 454	Management Seminar ²	3
MGMT 457	International Management ²	3
Subtotal		9
Supply Chain Management Concentration Electives		
<i>Required Courses</i>		
MGMT 352	Supply Chain Management ²	3
MGMT 415	Supply Chain Analytics	3
MKTG 331	Distribution Management	3
Plus select 2 courses from the following:		6
MGMT 357	International Operations Management ²	
MGMT 360	Total Quality Management ²	
MGMT 450	Internship ²	
MGMT 620	Supply Chain Management	
MGMT 651	Organizational Dynamics ³	
MKTG 332	Business Marketing	
MKTG 335	Retail Management	
MIS 323	Data Base Systems ²	
or CPSC 323	Fundamentals of Database Systems	
MIS 443	Project Management ²	
MIS 610	Business Analysis and Decision Support ³	
Subtotal		15
Total Hours		66

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ 4+ students may take up to two graduate-level courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MANAGEMENT - BSBA (2350)/CIM 278

Concentration in Supply Chain Management (SCMG)/4H

This program is effective as of SUMMER 2025

Revised 07.23.2025

UCC 02.11.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1

MATH 117 or MATH 123 or MATH 225	Quantitative Reasoning or Introduction to Applied Calculus or Calculus I	3
MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Optional		
ESAP 110	Beginning Algebra	
CPSC 100	Introduction to Computing for Liberal Arts (or Computer Competency Exam)	
Hours		16
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ECON 219 or MGMT 219	Business Analytics I or Business Analytics I	3
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ³		
Hours		15
Spring		
ACCT 209	Financial Accounting	3
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
Elective ⁴		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
MKTG 332	Business Marketing	3
ECON 319 or MGMT 319	Business Analytics II or Business Analytics II	3
FINA 303 or MKTG 303	Issues in Global Business or Issues in Global Business	3
MGMT 354	Human Resources Management	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
MKTG 450	Internship (Or Marketing Elective)	1-12
ACCT 322	Business Analysis and Decision Making	3
FINA 320	Managerial Finance	3
MGMT 352	Supply Chain Management	3

Thematic Thread Requirement (p. 19)		3
Hours		13-24
Fourth Year		
Fall		
MKTG 331	Distribution Management	3
ACCT 340	Legal Environment of Business	3
MGMT 457	International Management	3
Elective ⁴		3
Thematic Thread Requirement (p. 19)		3
Optional		
MBA Course ²		
MBA Course ²		
Hours		15
Spring		
MGMT 415	Supply Chain Analytics	3
MGMT 454	Management Seminar	3
MGMT 458	Business Capstone	3
Management Elective		3
Elective ⁴		3
Optional		
MBA Course ²		
MBA Course ²		
Hours		15
Total Hours**		119-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

² SRU Undergraduates who have earned 90 or more credits (including in-progress courses) with a minimum 2.75 GPA are eligible to apply, enroll, and earn graduate level credit. Credits earned are graduate level only, separate from the undergraduate credits earned for the degree and are not calculated in the student's undergraduate credit and grade point totals. See policy details here: Senior Undergraduate Students Earning Graduate Credit (p. 1207).

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ Students are encouraged to take the following courses for electives: MKTG 334, MKTG 335, MKTG 336, MKTG 338 MKTG 450, and/or HCAM 415

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2350

Revised: 07.25.2025

Management, Bachelor of Science in Business Administration (BSBA) - Online Degree Completion Program

To accommodate the diverse needs and preferences of our students, we provide the option to complete the management program online.

Slippery Rock University's Online BS degree completion programs provide opportunities for students to finish their bachelor's degrees in the programs listed below. These programs are ideal for busy adults who have completed some coursework and proven their ability to succeed at the college level. This is a convenient option to finish an undergraduate degree or turn an associate into a bachelor's degree.

Management is one of the most versatile majors that can be applied in both private and public sectors. SRU's Bachelor of Science in Business Administration (BSBA) with a major in management prepares graduates to assume entry-level managerial positions that involve facilitating the achievement of organizational goals by mobilizing the efforts of human resources and external stakeholders. Alumni land jobs in fields such as human resources, entrepreneurship and small business management, marketing and sales management, and operations and supply chain management, just to name a few.

Policy for Changing to Management Major:

A Slippery Rock University student wishing to change their major to the Management Online BS degree completion programs MUST have a minimum overall GPA of 2.0.

Program Learning Outcomes

- **Critical Thinking and Problem Solving:** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making
- **Communication:** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology:** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics:** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.
- **Professional Proficiency:** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.

- Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
- Demonstrate the ability to read and interpret financial statements in the decision-making process.
- Demonstrate effective teamwork and collaborative skills in a simulated business environment.

Related Links

Online Degree Completion Information (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Management.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	66
	Electives	9

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
Basic Core Courses		
Complete 33-39 credits		33-39
ECON 201	Principles of Macroeconomics ¹	3
ECON 202	Principles of Microeconomics ¹	3
Total Hours		45

¹ Indicates that SRU assumes to be completed as part of an associate degree

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 33 major credits must be taken at SRU or another PASSHE University
- SRU course offerings for this online Management program are based on the assumption that the student has completed minimum course competencies and an associate degree in business administration, which is comprised of most of the Management Basic Core Requirements and many Rock Studies 2 Requirements. Because associate degree curricula varies from transfer institution to institution, and because each online student transfers to SRU with a unique record of transfer courses and SRU degree completion needs, it is important for students to plan ahead for course offerings each term and to register as early as possible for each subsequent SRU semester/term.

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ^{1,3}	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business	3
ECON 201	Principles of Macroeconomics ^{1,2,3}	3
ECON 202	Principles of Microeconomics ^{1,2,3}	3
ECON 219	Business Analytics I ^{1,3}	3
or MGMT 219	Business Analytics I	
ECON 319	Business Analytics II ¹	3
or MGMT 319	Business Analytics II	
FINA 320	Managerial Finance	3
MGMT 303	Issues in Global Business	3
or FINA 303	Issues in Global Business	
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ^{1,3}	3
Subtotal		42
Required Computer Science Course		
MIS 210	Productivity Software ^{1,3}	3
Subtotal		3
Required Management Course		
MGMT 354	Human Resources Management ⁴	3
MGMT 454	Management Seminar ⁴	3
MGMT 456	Management and Society ⁴	3
MGMT 457	International Management ⁴	3
Subtotal		12
Business Electives		
Select three of the following:		9

MGMT 370	Sustainable Entrepreneurship and Innovation ⁴
MGMT 451	Employment Law ⁴
or ACCT 451	Employment Law
MGMT 459	Sustainable Business Consulting ⁴
MGMT 341	Organizational Leadership ⁴
MGMT 352	Supply Chain Management ⁴
MGMT 357	International Operations Management ⁴
MGMT 360	Total Quality Management ⁴
MGMT 364	Recruitment and Selection ⁴
MGMT 415	Supply Chain Analytics ⁴
MGMT 450	Internship ⁴
MGMT 452	Management-Labor Relations ⁴
MGMT 455	Compensation Management ⁴
MGMT 460	Training and Development ⁴
Subtotal	9
Total Hours	66

¹ Course counts for 50% of Major and not for Major GPA² Course maybe counted as both a Major and Rock Studies 2 Requirement, but earns credit only once toward the 120-credits total.³ Indicates that SRU assumes to be completed as part of an associate degree.⁴ Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MANAGEMENT - BSBA (2347)

This program is effective as of Fall 2019.

Revised 07.23.2025

UCC 11.30.2021

Management, Minor (BSBA majors)

The Business Administration minor provides excellent value for BSBA students. The program offers essential knowledge in business functional areas such as Accounting, Finance, Management, and Marketing. The Business Administration minor not only enhances students' career readiness but also cultivates future entrepreneurs.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

(Only School of Business Program Students may declare: ACCT, ECON, FIN, HCAM, IS, MGMT and MRKT)

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
FINA 320	Managerial Finance	3
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
MGMT 354	Human Resources Management	3
MGMT 457	International Management	3
MKTG 230	Principles of Marketing	3
Select two of the following Management courses: ¹		6
300/400 level MGMT course		
300/400 level MGMT course		
Total Hours		24

¹ Business core courses may not be used as electives.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MANAGEMENT for SBUS Program Students - (51C)

This program is effective as of Fall 2019.

Revised 07.24.2025

UCC 3.26.2019

Marketing, Bachelor of Science in Business Administration (BSBA)

Our program will provides a strong set of skills for students to become successful, ethical, and effective marketing leaders. Students gain the marketing knowledge, skills, and abilities to excel in a marketing career along with a foundation of technical and practical business skills in management, MIS, accounting, finance, economics, and operations.

Besides the fundamentals of marketing, students also learn practical skills that set them apart in both internships and entry-level positions. As a marketing student, you will learn:

- How to anticipate and satisfy consumer needs and wants
- Marketing research, product planning, pricing, promotion and distribution
- Concepts, functions and institutions of marketing
- Skills to analyze, formulate and implement marketing strategies
- Sales strategies and techniques
- How to use data to make marketing mix decisions
- Marketing analytics: Data analysis and interpretation skills as they are applied to market planning and strategy decisions.

POLICY FOR CHANGING TO MARKETING MAJOR:

A Slippery Rock University student wishing to change their major to Marketing MUST have a minimum overall GPA of 2.0.

Program Learning Outcomes

- **Critical Thinking and Problem Solving (U02):** Students graduating with a degree in business administration will demonstrate effective critical thinking and problem-solving skills. Students will:
 - Apply critical thinking skills to analyze and interpret financial statements to judge business performance.
 - Apply critical thinking skills using quantitative techniques for problem solving and strategic decision making
- **Communication (U01):** Students graduating with a degree in business administration will demonstrate competency in oral and written communication skills. Students will:
 - Prepare in proper format and style the following documents: business report (one to two pages), business memo, research report and presentation.
 - Deliver an effective oral presentation on a business and/or professional topic.
- **Information Technology (U010):** Students will demonstrate proficiency in the use of computers and software to manage information with statistical analysis, spreadsheet, database, and other appropriate applications.
- **Ethics (U08):** Students graduating with a degree in business administration will demonstrate an understanding of the legal environment and ethical standards of business and an awareness of the implications of their behavior and actions as a business professional. Students will apply an appropriate framework for examining ethical dilemmas and be able to (1) identify ethical issues and stakeholders, (2) evaluate alternative course(s) of action, and (3) formulate an appropriate action plan.

- **Professional Proficiency (U05):** Students graduating with a degree in business administration will have acquired the necessary skills and knowledge to meet professional competencies as business professionals and global citizens. Students will:
 - Demonstrate an understanding of the history and vocabulary unique to business disciplines.
 - Demonstrate knowledge of procedures, concepts, and technical business skills through practical application (forecasting, budgeting, financial statement analyses, business plans, strategic planning).
 - Demonstrate the ability to read and interpret financial statements in the decision-making process.
 - Demonstrate effective teamwork and collaborative skills in a simulated business environment.

RELATED LINKS

Marketing, BSBA Program Page (<https://www.sru.edu/academics/majors-and-minors/marketing/>)

Marketing Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Marketing.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major Requirements		66
Electives		11-12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUB 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Social Science Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Natural Sciences Inquiry

SCI 101	Science of Life	3

Physical Sciences Inquiry

SCI 102	Understanding the Physical World	3

Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12

Required Thematic Thread Coursework:

ECON 202	Principles of Microeconomics

Total Hours	42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
Select one of the following:		3
ECON 219	Business Analytics I ¹	

MGMT 219	Business Analytics I ¹	
Select one of the following:		3
ECON 319	Business Analytics II ¹	
MGMT 319	Business Analytics II ¹	
FINA 320	Managerial Finance ¹	3
Select one of the following:		3
MGMT 303	Issues in Global Business ¹	
FINA 303	Issues in Global Business	
MKTG 303	Issues in Global Business	
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
Select one of the following:		3
CPSC 210	Productivity Software ¹	
MIS 210	Productivity Software ¹	
Subtotal		3
Required Marketing Courses		
MKTG 332	Business Marketing ²	3
MKTG 333	Consumer Behavior ²	3
MKTG 336	Professional Selling ²	3
MKTG 430	Marketing Research ²	3
MKTG 431	Marketing Seminar ²	3
Subtotal		15
Marketing Electives		
Select three of the following:		9
MKTG 331	Distribution Management ²	
MKTG 334	Advertising Management ²	
MKTG 335	Retail Management ²	
MKTG 338	E-Commerce ²	
MKTG 390	Experimental ²	
MKTG 425	Marketing Analytics ²	
MKTG 437	International Marketing ²	
MKTG 450	Internship ²	
MKTG 490	Independent Study ²	
ACCT 620	Forensic Accounting ³	
ACCT 626	Budgeting, Performance Management, and Cost Analysis ³	
ACCT 629	Accounting Data Analytics ³	
ACCT 630	Risk Analysis and Internal Control ³	
ACCT 640	Business Law ³	
ECON 602	Managerial Economics ³	
ECON 619	Quantitative Analysis ³	
FINA 603	Global Dynamics of Business ³	
FINA 620	Financial Management ³	
FINA 698	Selected Topics ³	
MKTG 603	Global Dynamics of Business ³	
MKTG 658	Strategic Marketing Management ³	
MGMT 651	Organizational Dynamics ³	

MGMT 620	Supply Chain Management ³	
MIS 610	Business Analysis and Decision Support ³	
Subtotal		9
Total Hours		66

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ You may take up to two graduate courses.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student clubs and organizations
4. Internships
5. Service-learning classes
6. Career education and development
7. Student leadership development
8. Student-faculty research
9. Volunteering
10. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MARKETING - BSBA (23MO)/CIM 283

This program is effective as of Summer 2025

Revised 07.23.2025

UCC 03.18.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ECON 201	Principles of Macroeconomics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 117	Quantitative Reasoning	3
or MATH 123	or Introduction to Applied Calculus	
or MATH 225	or Calculus I	

MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Optional		
CPSC 100	Introduction to Computing for Liberal Arts (or Computer Competency Exam)	
ESAP 110	Beginning Algebra	
Hours		16
Spring		
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ECON 219	Business Analytics I	3
or MGMT 219	or Business Analytics I	
MIS 265	Management Information Systems	3
MKTG 230	Principles of Marketing	3
SCI 102	Understanding the Physical World	3
Declare a Thematic Thread ³		
Hours		15
Spring		
ACCT 209	Financial Accounting	3
MGMT 320	Operations Management	3
MGMT 351	Organizational Behavior	3
Thematic Thread Requirement (p. 19)		3
Elective ⁴		3
Hours		15
Third Year		
Fall		
ECON 319	Business Analytics II	3
or MGMT 319	or Business Analytics II	
FINA 303	Issues in Global Business	3
or MKTG 303	or Issues in Global Business	
MKTG 332	Business Marketing	3
Thematic Thread Requirement (p. 19)		3
Elective ⁴		3
Hours		15
Spring		
ACCT 322	Business Analysis and Decision Making	3
FINA 320	Managerial Finance	3
MKTG 333	Consumer Behavior	3
MKTG 450	Internship (Or Marketing Elective)	1-12
Thematic Thread Requirement (p. 19)		3
Hours		13-24

Fourth Year**Fall**

ACCT 340	Legal Environment of Business	3
MKTG 430	Marketing Research	3
MKTG 437	International Marketing	3
Marketing Elective ⁴		3
Thematic Thread Requirement (p. 19)		3
Optional		
MBA Course ²		
MBA Course ²		

Hours 15

Spring

MGMT 458	Business Capstone	3
MKTG 431	Marketing Seminar	3
Marketing Elective ⁴		3
Elective ⁴		3
Elective ⁴		3
Optional		
MBA Course ²		
MBA Course ²		

Hours 15

Total Hours 119-130**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² SRU Undergraduates who have earned 90 or more credits (including in-progress courses) with a minimum 2.75 GPA are eligible to apply, enroll, and earn graduate level credit. Credits earned are graduate level only, separate from the undergraduate credits earned for the degree and are not calculated in the student's undergraduate credit and grade point totals. See policy details here: Senior Undergraduate Students Earning Graduate Credit (p. 1207).

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ Students are encouraged to take the following courses for electives: MKTG 334, MKTG 335, MKTG 336, MKTG 338, MKTG 450, and/or HCAM 415

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2343

Revised: 07.25.2025

Marketing, Bachelor of Science in Business Administration (BSBA) – Online Degree Completion Program

Our program will provides a strong set of skills for students to become successful, ethical, and effective marketing leaders. Students gain the marketing knowledge, skills, and abilities to excel in a marketing career

along with a foundation of technical and practical business skills in management, MIS, accounting, finance, economics, and operations.

Besides the fundamentals of marketing, students also learn practical skills that set them apart in both internships and entry-level positions. As a marketing student, you will learn:

- How to anticipate and satisfy consumer needs and wants
- Marketing research, product planning, pricing, promotion and distribution
- Concepts, functions and institutions of marketing
- Skills to analyze, formulate and implement marketing strategies
- Sales strategies and techniques
- How to use data to make marketing mix decisions
- Marketing analytics: Data analysis and interpretation skills as they are applied to market planning and strategy decisions.

RELATED LINKS

Marketing, BSBA Program Page (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Marketing Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/FS-Marketing.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	66
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	Complete 39 Rock Studies Credits	39
ECON 202	Principles of Microeconomics	3
	Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Core Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 322	Business Analysis and Decision Making ¹	3
ACCT 340	Legal Environment of Business ¹	3
ECON 201	Principles of Macroeconomics ¹	3
Select one of the following:		3
ECON 219	Business Analytics I ¹	
MGMT 219	Business Analytics I ¹	
Select one of the following:		3
ECON 319	Business Analytics II ¹	
MGMT 319	Business Analytics II ¹	
FINA 320	Managerial Finance ¹	3
Select one of the following:		3
MGMT 303	Issues in Global Business ¹	
FINA 303	Issues in Global Business ¹	
MKTG 303	Issues in Global Business ¹	
MGMT 320	Operations Management ¹	3
MGMT 351	Organizational Behavior ¹	3
MGMT 458	Business Capstone ¹	3
MIS 265	Management Information Systems ¹	3
MKTG 230	Principles of Marketing ¹	3
Subtotal		39
Required Computer Science Course		
Select one of the following:		3
CPSC 210	Productivity Software ¹	
MIS 210	Productivity Software ¹	
Subtotal		3
Required Marketing Courses		
MKTG 332	Business Marketing ²	3
MKTG 333	Consumer Behavior ²	3
MKTG 336	Professional Selling ²	3
MKTG 430	Marketing Research ²	3

MKTG 431	Marketing Seminar ²	3
Subtotal		15
Marketing Electives		
Select three of the following:		9
MKTG 331	Distribution Management ²	
MKTG 334	Advertising Management ²	
MKTG 335	Retail Management ²	
MKTG 338	E-Commerce ²	
MKTG 390	Experimental ²	
MKTG 425	Marketing Analytics ²	
MKTG 437	International Marketing ²	
MKTG 450	Internship ²	
MKTG 490	Independent Study ²	
Subtotal		9
Total Hours		66

¹ Course counts for 50% of Major and not for Major GPA

² Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student clubs and organizations
4. Internships
5. Service-learning classes
6. Career education and development
7. Student leadership development
8. Student-faculty research
9. Volunteering
10. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MARKETING - BSBA (23MO)

This program is effective as of Summer 2023

Revised 07.23.2025

UCC 09.10.2024

Marketing, Minor

Marketing is at the core of many decisions in a company AND it is more than selling goods or services. It is a collection of skills that are useful in any career. No matter what major you have, knowing who your customer is and how to communicate with that business or consumer, to solve their problems, totally depends on marketing. No company can be successful without understanding how to address the wants and needs of their customers and a minor in marketing will help you in that role no matter what job you have.

With a marketing minor, you learn how imperative the 4Ps of marketing (product, price, promotion, and placement/distribution) combine to solve customers' problems with the right product, at the price, using the right incentive, and communication (promotions), at the right place and time.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
MKTG 230	Principles of Marketing	3
MKTG 332	Business Marketing	3
MKTG 333	Consumer Behavior	3
MKTG 437	International Marketing	3
Elective		
Select two 300 or 400 level course:		6
MKTG 300/400	MKTG 300/400 level courses	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MARKETING - (51F)

This program is effective in Summer 2022

Revised 07.24.2025

UCC 03.01.2022

Sustainable Management, Minor (BSBA majors only)

Since the formation of the United Nations Global Compact and the release of the seventeen United Nations Sustainable Development Goals, business has increasingly become viewed as having potential to be a force for good. A minor in sustainable management provides an opportunity for students to learn the basic tenets of sustainability through the lens of the SDGs and triple bottom line (people, planet and profit) and management.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 or higher Minor GPA

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ECON 202	Principles of Microeconomics	3
ECON 315	Economics of Sustainable Development	3
MGMT 351	Organizational Behavior	3
BIOL 105	Environmental Biology	3
or EVGE 100	Environmental Geology	
Internship or Business Consulting		
Course not selected in this block may be taken as an elective below		
MGMT 449	Sustainable Management Internship	3
or MGMT 459	Sustainable Business Consulting	
Elective Courses		
Select nine credits:		9
MGMT 370	Sustainable Entrepreneurship and Innovation	
MGMT 459	Sustainable Business Consulting	
MGMT 352	Supply Chain Management	
MGMT 449	Sustainable Management Internship	

ACCT 451	Employment Law
or MGMT 451	Employment Law
MGMT 456	Management and Society
MKTG 338	E-Commerce
Total Hours	24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN SUSTAINABLE MANAGEMENT (51J)

For BSBA students

This program is effective as of Fall 2019.

Revised 07.24.2025

UCC 3.26.2019

Sport Management

Programs

Majors

- Sport Management, Bachelor of Science (BS) (p. 87)

Minors

- Esports, Minor (p. 86)
- Sport Management, Minor (p. 90)

Programs

Majors

- Sport Management, Bachelor of Science (BS) (p. 87)

Minors

- Esports, Minor (p. 86)
- Sport Management, Minor (p. 90)

Esports, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Core Courses		
HEMT 326	Introduction to Meetings and Event Management	3
EXER 204	Introduction to Esports	3
EXER 304	Current Issues in Esports Health and Society	3
COMM 365	Sports and Esports Production	3
Subtotal		
Electives		
Select two from at least 2 different departments:		9
HEMT 215	Public Relations for Hospitality, Event Management & Tourism	
HEMT 420	Event Production and Coordination	
COMM 205	Audio Production	
COMM 254	Video Production	
COMM 354	Multi-Camera Studio Production	
SPMT 301	The Fan Experience	
SPMT 394	Sport Marketing	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ESPORTS - (71E)

This program is effective as of Summer 2022

Revised 09.17.2025

UCC 04.05.2022

Sport Management, Bachelor of Science (BS)

The sport management degree program at Slippery Rock University has received specialized accreditation through the Commission on Sport Management Accreditation (COSMA) located in Fort Collins, Colorado, USA. In 2010, the Department of Sport Management was the first program in the US to be accredited by the Commission on Sport Management Accreditation (COSMA), and in 2017 was the first program to be re-accredited.

Program Learning Outcomes

The Sport Management faculty has established five program outcomes for the undergraduate program that are implemented on a daily basis inside and outside the classroom. These program outcomes are an extension of the mission statement and connect to the university's outcomes. In order to achieve our mission, these outcomes are assessed using a variety of direct and indirect performance indicators.

- **Communication:** Communicate effectively in speech and in writing, using appropriate information sources, presentation formats, and technologies.
- **Diversity, Ethical, Legal and Financial Practices:** Integrate diverse, ethical, legal and financial principles and understand their impact on decision making in sport managerial situations.
- **Technological and Global Interdependence:** Demonstrate proficiency in use of current technologies and exhibit understanding of the global sport industry.
- **Professional Proficiency and Development:** Apply knowledge and skills to meet professional competencies within sport industry.
- **Critical Thinking and Problem Solving:** Demonstrate ability to identify, analyze, synthesize and evaluate information and ideas through professional performance in simulated sport industry environments such as an internship, practicum or volunteer experience.

Related Links

Sport Management, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/sport-management/>)

Sport Management Fact Sheet (<https://www.sru.edu/documents/programs/factsheets/undergraduate/sportmgmt-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	58
	Electives	20

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Practical Application Courses		
SPMT 150	Sport Management Practicum (Freshman) ¹	1
SPMT 150	Sport Management Practicum (Sophomore) ¹	1
SPMT 150	Sport Management Practicum (Junior) ¹	1
SPMT 150	Sport Management Practicum (Senior) ¹	1
Subtotal		4
Sport Management		
SPMT 194	Introduction to Sport Management (Freshman) ¹	3
SPMT 196	Global Sport Management (Freshman) ¹	3
SPMT 269	American Sport in the 21st Century (Sophomore) ¹	3
SPMT 286	Sport Communication and Technology (Sophomore) ¹	3
SPMT 294	Sport Management and Ethics (Sophomore) ¹	3
SPMT 315	Diversity Issues in Sport Management (Junior) ¹	3
SPMT 369	Sport Budgeting and Finance (Junior/Senior) ¹	3
SPMT 386	Leadership in Athletic Administration and Sport Management ¹	3
SPMT 394	Sport Marketing (Junior) ¹	3
SPMT 396	Selling in the Sport Industry (Junior) ¹	3
SPMT 406	Sport Fundraising and Event Management (Senior) ¹	3
SPMT 450	Sport Management Internship (last semester) ¹	12
SPMT 486	Sport Law and Facilities (Senior) ¹	3
SPMT 494	Sport Management Senior Seminar (Senior) ¹	3
SPMT 499	Sport Management Research Methods (Senior) ¹	3
Subtotal		54
Total Hours		58

¹ Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Recommended Electives (20 credits)

Code	Title	Hours
Select 20 credits of 300 level or above classes		
The Department of SPMT recommends courses to be taken from Accounting, Communication, Economics, Finance, Management or Marketing or:		
Any 300 level or above courses that lead to the Minor in Leadership		
Any 300 level or above courses that lead to the Minor in Physical Education/Coaching		
Any 300 level or above courses that lead to the Minor in a Foreign Language		
This will help you complete a minor if you are interested. See your MyRockAudit for details.		

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Becoming involved in professional organizations
2. Attending sport industry related conferences, seminars, and workshops
3. Networking with SRU Sport Management alumni
4. International study programs (short-term, semester, and year-long)
5. High-Impact Practice (HIP) designated classes
6. Student leadership and career education development
7. Service-learning classes

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SPORT MANAGEMENT - BS (2150/CIM405)

This program is effective as of Summer 2020

Revised 07.24.2025

UCC 10.15.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SPMT 194	Introduction to Sport Management	3
SPMT 196	Global Sport Management	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
SPMT 150	Sport Management Practicum	1
SPMT 294	Sport Management and Ethics	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
SPMT 150	Sport Management Practicum	1
SPMT 269	American Sport in the 21st Century	3
SPMT 386	Leadership in Athletic Administration and Sport Management	3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
SPMT 286	Sport Communication and Technology	3
SPMT 315	Diversity Issues in Sport Management	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
SPMT 150	Sport Management Practicum	1
SPMT 394	Sport Marketing	3
SPMT 369	Sport Budgeting and Finance	3
Thematic Thread Requirement (p. 19)		3
Free Elective		5
Hours		15
Spring		
SPMT 150	Sport Management Practicum	1
SPMT 396	Selling in the Sport Industry	3
SPMT 406	Sport Fundraising and Event Management	3
SPMT 486	Sport Law and Facilities	3
Free Elective		3
Hours		13
Summer		
SPMT 301	The Fan Experience (Suggested Free Elective)	3
Hours		3
Fourth Year		
Fall		
SPMT 494	Sport Management Senior Seminar	3

SPMT 499	Sport Management Research Methods	3
Free Elective		9
Hours		15
Spring		
SPMT 450	Sport Management Internship	12
Hours		12
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2150
Revised: 07.25.2025

Sport Management, Minor

The sport management degree program at Slippery Rock University has received specialized accreditation through the Commission on Sport Management Education (COSMA) located in Arlington, Virginia, USA. In 2010, the Department of Sport Management was the first program in the US to be accredited by the Commission on Sport Management Accreditation (COSMA), and in 2017 was the first program to be re-accredited.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

"Prerequisites will be waived provided minor requirements are taken in sequential order."

Code	Title	Hours
Required Sport Management Courses		
SPMT 150	Sport Management Practicum	1
SPMT 194	Introduction to Sport Management ¹	3
SPMT 450	Sport Management Internship ²	3
SPMT 494	Sport Management Senior Seminar	3
Select nine credits from the following courses:		9

SPMT 269	American Sport in the 21st Century	
SPMT 286	Sport Communication and Technology	
SPMT 294	Sport Management and Ethics	
SPMT 315	Diversity Issues in Sport Management	
SPMT 369	Sport Budgeting and Finance	
SPMT 394	Sport Marketing	
SPMT 396	Selling in the Sport Industry	
SPMT 406	Sport Fundraising and Event Management	
SPMT 486	Sport Law and Facilities	
Total Hours		19

¹ A grade of C or better must be earned in this course.

² All courses must be completed in the minor prior to enrollment in the Internship.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Sport Management (61C)

This program is effective as of Fall 2020.

Revised 08.25.20

UCC 03.05.20

Strategic Communication and Media Programs

Majors

- Strategic Communication and Media, Bachelor of Arts (BA) (p. 92)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Advertising (p. 95)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Digital Media Production (p. 98)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Health Communication (p. 101)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Integrated Marketing Communication (p. 104)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Multimedia Journalism (p. 107)
- Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Public Relations (p. 110)

Minors

- Communication - Graphic Design, Minor (Art Majors Only) (p. 91)
- Strategic Communication and Media, Minor (p. 113)
- User Experience & Interface Design, Minor (p. 114)

Certificates

- Global and Intercultural Communication, Certificate (p. 91)

Communication - Graphic Design, Minor (Art Majors Only)

The Minor in Communication: Graphic Design is specifically designed for Art majors who would like additional experience in digital design and production to complement their major coursework. This program provides students with the commercial and technical aspects of graphic communication and production. With courses in communication concepts, interactive multimedia, communication law, and media project management, this 21-credit program will expand opportunities to use an art degree in new and flexible ways.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Communication Courses		
COMM 110	Communication Concepts	3
COMM 235	Introduction to Digital Design	3
COMM 258	Interactive Multimedia 2	3
COMM 334	Publication Production	3
COMM 359	Interactive Multimedia 3	3
COMM 410	Communication Law	3
COMM 453	Media Project Management	3
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN COMMUNICATION - GRAPHIC DESIGN (13B)

This program is effective as of Fall 2010

Revision date: 10.28.2021

UCC 3.5.2019

Global and Intercultural Communication, Certificate

As issues of diversity and cross-cultural exchanges become a larger part of our personal and professional interactions, there is an increasing need to expand our knowledge and understanding of global communication practices. The Certificate in Global and Intercultural Communication will help students in all majors become ethical and inclusive communicators in the workplace and beyond.

The certificate consists of 12 credits with 6-9 credits in communication and 3-6 credits in selected courses from the fields of marketing, political science, history, cultural studies, or languages to complement students' professional aspirations or other academic interests.

The Certificate in Global and Intercultural Communication is available to students in all majors.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Global and Intercultural Communication, Certificate Page (<https://www.sru.edu/academics/colleges-and-departments/cob/departments/strategic-communication-and-media/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Overall GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required		
Choose two or three courses (6-9 credits):		6-9
COMM 217	Intercultural Communication	
COMM 317	Topics in Global and Intercultural Communication	
COMM 405	Global Media	
Subtotal		6-9
Electives		
Choose one or two courses (3-6 credits):		3-6
ARAB XXX	Any Arabic Course	

CHIN XXX	Any Chinese Course
FREN XXX	Any French Course
HIST 462	The Contemporary Middle East
HIST 463	Israel-History, State and Society
JAPN XXX	Any Japanese Course
KORN XXX	Any Korean Course
MKTG 303	Issues in Global Business
MKTG 437	International Marketing
PHIL 140	World Religions
POLI 103	International Relations
POLI 220	Foreign Policy
SPAN XXX	Any Spanish Course
Subtotal	3-6
Total Hours	12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL CERTIFICATE REQUIREMENT

Students must complete at least 12 credit hours from SRU

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Global and Intercultural Communication (2GIC)
Effective Summer 2021
Revised 07.25.2025
UCC 03.30.2021

Strategic Communication and Media, Bachelor of Arts (BA)

Our program maintains the tradition of study of communication as a liberal art and recognizes the often-blurred boundaries among communication specialties. Since communication underlies all human pursuits, it's necessary for you to be prepared with the ethical standards to preserve the ideals of democratic free expression. Your ability to produce, distribute, analyze and critically consume communication will be developed through your coursework. SRU also offers an integrated minor in Communication.

WHY CHOOSE COMMUNICATION STUDIES?

The Bachelor of Arts in Communication Studies is organized so that you can, in collaboration with your advisor, develop a program of study that best suits your interests. The degree requirements are flexible,

allowing transfer students and those who change majors to complete a Communication Studies degree in four years.

WHAT WILL YOU LEARN?

You will learn about the historical development of the practice and study of human communication. You will gain a working knowledge of the concepts and principles that underlie all forms of human communication. You will develop an understanding of how these concepts and principles apply to a variety of specific communication contexts, including interpersonal, small group, organizational, public, mass media, and intercultural settings.

Your coursework will allow you to develop the knowledge and skills necessary to communicate effectively in both personal and professional settings. You will understand the principles of interpersonal and group dynamics and will develop effective small group work behaviors. In doing so, you will develop effective communication strategies that include oral, written, visual, and electronic skills.

CAREERS IN COMMUNICATION

When you graduate with a major in Communication Studies from SRU, you be able to demonstrate proficiency in skills relevant to obtaining an entry-level position in a wide range of communication-related positions.

CLUBS & ORGANIZATIONS

- Lamda Pi Eta
- PRSSA
- The Rocket

PROGRAM LEARNING OUTCOMES

Strategic COMMUNICATION and media, BA

- **Research & Analysis:** Demonstrate knowledge and proficiency in research and analysis relevant to the communication discipline. (SRU SLO 2)
- **Applied Skills:** Develop additional communication competencies through course selection within their degree requirements and through free electives. These additional competencies may include: design skills, media production skills, intercultural skills, journalistic skills, and public relations writing skills; or skills related to a minor program of study. (SRU SLO 1, SRU SLO 5, SRU SLO 10)
- **Advanced Skills: Knowledge of Communication Discipline:** Develop knowledge and understanding of the history, evolution, and fundamental theories of the discipline of communication. (SRU SLO 5, SRU SLO 8)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

RELATED LINKS

Strategic Communication and Media, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	39
	Electives	39

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ² 12

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
	Complete 0-9 credits	0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- Students must earn a minimum grade of "C" in COMM 110, COMM 310, and COMM 413. At least 40 % (48 hours) of the entire degree and 50% (20 hours) of courses in the major must consist of upper level coursework.
- Students must complete 50% of credits required for the major from a PASSHE university.
- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Strategic Communication & Media Core		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 413	Communication Theory ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Strategic Communication & Media Requirements		

Select 9 credits of the following:	9
COMM 215 Small Group Communication ¹	
COMM 303 Communication and Media Ethics ¹	
COMM 312 Argumentation ¹	
COMM 314 Interpersonal Communication ¹	
COMM 315 Organizational Communication ¹	
COMM 410 Communication Law ¹	
COMM 415 Persuasion ¹	
Subtotal	9
Strategic Communication & Media Electives	
Select any five additional Strategic Communication & Media courses. At least 2 must be at the 300-level or above. ¹	15
Subtotal	15
Total Hours	39

¹ Course counts for 50% of Major and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION AND MEDIA- BA (2 15)

This program is effective as of Summer 2024

Revision date: 07.24.2025

UCC: 04.16.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
	Communication Elective	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
	Creative & Aesthetic Inquiry (p. 19)	3
Hours		16
Spring		
COMM 200	Civil Discourse: Theory & Practice	3
	Communication Elective	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3

MODL 101	Modern Language Requirement	
Hours		12
Second Year		
Fall		
	Communication Elective	3
MODL 102	Modern Language Requirement	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
	Social Science Inquiry (p. 19)	3
	Elective	3
	Declare a Thematic Thread ²	
Hours		15
Spring		
	Communication Elective	3
MODL 103	Modern Language Requirement	3
	Humanities Inquiry (p. 19)	3
SCI 102	Understanding the Physical World	3
or SCI 101	or Science of Life	
	Elective	3
Hours		15
Third Year		
Fall		
COMM 310	Communication Research Methods	3
	Communication Elective	3
	Thematic Thread Requirement (p. 19)	6
	Electives	3
Hours		15
Spring		
	Communication Studies Requirement	3
	Communication Elective	3
	Thematic Thread Requirement (p. 19)	3
	Electives	6
Hours		15
Fourth Year		
Fall		
	Communication Studies Requirement	6
	Thematic Thread Requirement (p. 19)	3
	Electives	6
Hours		15
Spring		
COMM 413	Communication Theory	3
COMM 497	Senior Capstone Seminar	3
	Electives	9
Hours		15
Total Hours**		118

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Major Code: 2 15

Revision date: 05.03.2022

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Advertising

Advertising is a broad field that includes account management, brand strategy and management, copywriting, and media planning. Thus, our concentration takes a business and strategic communication approach that addresses targeted messaging across multiple platforms. Students will learn to develop strategies to persuade and appeal to an organization or institution's consumers or constituents. Electives will allow the student to be introduced to advertising production or to develop complementary interest areas. This concentration prepares students for jobs at advertising and public relations agencies, companies, or news outlets like newspapers, magazines, and radio and television stations. The program requires 54 credits, leaving room for students to pursue minors or second majors in complementary academic areas. Slippery Rock University offers the only stand-alone advertising concentration among the PASSHE schools.

WHY CHOOSE ADVERTISING?

Slippery Rock University's Department of Strategic Communication and Media offers six concentration areas: Advertising, Converged Journalism, Digital Media Production, Integrated Marketing Communication, Public Relations, and a Bachelor of Arts in Communication. Advertising is a strategic communication discipline that attempts to shape the public's perception of an organization's products, services, brands, or ideas. Advertising is the most visible and easily identifiable part of the marketing communication process. It focuses on promoting products, services, brands, companies, people, and ideas through paid media space in newspapers, magazines, broadcast, outdoor, direct marketing, and digital platforms. Courses developed for the advertising concentration are shared across IMC and public relations curricula, thus strengthening both programs.

WHAT WILL YOU LEARN?

This major will largely focus on teaching students the communicative fundamentals of advertising design, development and production. As such, students will learn to develop compelling concepts, visual messages and creative content to persuade and appeal to an organization or institution's consumers or constituents. This major will prepare students for jobs at advertising agencies, for and non-profit organizations, educational institutions, government agencies, political figures and organizations, or with news outlets like newspapers, magazines, and radio and television stations. These students may work as graphic designers, editors, account executives or production specialists.

CAREERS IN ADVERTISING

According to the **Bureau of Labor Statistics**, "overall employment of advertising, promotions, and marketing managers is projected to grow six percent from 2019 to 2029, faster than the average for all occupations."

Advertising, promotions, and marketing campaigns will continue to be essential for organizations to maintain and expand their market share. "The median annual wage for advertising and promotions managers was \$125,510 in May 2019. The median annual wage for marketing managers was \$136,850 in May 2019."

PROGRAM LEARNING OUTCOMES

Strategic COMMUNICATION and Media - ADVERTISING, BS

- **Advertising Production:** Students will produce appropriately targeted advertising materials in a variety of formats. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Advertising Strategy:** Students will understand the role of advertising and how advertising messages solve communication problems by informing, changing attitudes, and motivating behavioral change among an organization's target audiences. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Advertising Campaigns:** Students will develop a research-based creative advertising campaign that includes strategic planning, writing creative briefs, planning, and preparing advertising copy and design and campaign evaluation. (SRU SLO 1, 2, 5, 8, 9, 10)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

RELATED LINKS

Strategic Communication and Media - Advertising, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-advertising/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirement	42
	Other Basic Requirements	0-3
	Major Requirements	54
	Electives	24

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Advertising Requirements		
COMM 115	Visual Literacy ¹	3
COMM 228	Principles of Creative Advertising ¹	3
COMM 235	Introduction to Digital Design ¹	3
COMM 256	Message Preparation ¹	3
COMM 434	Advertising Production ¹	3
Select one of the following:		3
COMM 453	Media Project Management ¹	
COMM 464	Advertising Campaigns Capstone ¹	
MKTG 230	Principles of Marketing	3
MKTG 334	Advertising Management ¹	3
Subtotal		24
Electives		
Select four of the following:		12
COMM 120	Introduction to Digital Photography ¹	
COMM 205	Audio Production	
COMM 254	Video Production ¹	
COMM 263	Media and Society ¹	
COMM 303	Communication and Media Ethics	
COMM 334	Publication Production ¹	
COMM 352	Digital Radio Production	
COMM 364	Strategic Brand Communication ¹	
COMM 401	Digital Imaging ¹	
COMM 407	Social Media Network Analytics	
COMM 415	Persuasion	
COMM 452	Podcasting	
ART 100	2-D Design ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 413	Senior Studio Graphic Design ¹	
MKTG 333	Consumer Behavior ¹	
Subtotal		12
Internship		
COMM 450	Internship ¹	3
Total Hours		54

¹ Course counts for 50% of Major and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA- BS (2119)

Concentration in Advertising (ADVR)

This program is effective as of Summer 2024

Revision date: 07.24.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
COMM 115	Visual Literacy	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
Advertising Elective		3
COMM 235	Introduction to Digital Design	3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
COMM 228	Principles of Creative Advertising	3

COMM 256	Message Preparation	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Elective		3
Hours		15

Third Year

Fall

Advertising Elective		3
COMM 310	Communication Research Methods	3
MKTG 230	Principles of Marketing	3
Social Science Inquiry (p. 19)		3
Elective		3
Hours		15

Spring

Advertising Elective		3
MKTG 334	Advertising Management	3
Social Science Inquiry (p. 19)		3
Electives		6
Hours		15

Fourth Year

Fall

Advertising Elective		3
COMM 410	Communication Law	3
COMM 434	Advertising Production	3
Social Science Inquiry (p. 19)		3
Electives		3
Hours		15

Spring

Advertising Elective		3
COMM 450	Internship	3
COMM 453	Media Project Management	3
or COMM 464	or Advertising Campaigns Capstone	
COMM 497	Senior Capstone Seminar	3
Elective		3
Hours		15

Total Hours 121**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2119

Concentration Code: ADVR

Revised: 07.25.2025

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Digital Media Production

Slippery Rock University's Digital Media Production major introduces students to a wide digital landscape including social media, video production, communications, and more. This program awards a Bachelor of Science in Communications degree with a concentration in Digital Media Production. If you've ever wanted to work as a graphic designer, video editor, web developer, or another position having to do with the digital world, this is the program for you!

The internet has revolutionized the ways that we share information, creating exponential opportunities in digital media. The Digital Media Production program at SRU will help you develop the theoretical, technical, and creative skills for working with different types of media (video, audio, social media, TV, Web, etc.) This major emphasizes new media (Internet) and teaches you how to organize and present online information to encourage interaction. You can choose to specialize in print, electronic, video, or audio media while still gaining skills in a wide range of media options.

WHY CHOOSE DIGITAL MEDIA PRODUCTION?

Digital media is a growing field with diverse career opportunities. In SRU's Digital Media Production program, students learn the foundations of multimedia communication and develop excellent technical and design skills with our project-focused curriculum. Through individual projects, you'll develop strong independent work skills; through group projects, you'll gain valuable management and teamwork skills. You'll also have the opportunity to work on projects for actual clients. Furthermore, students have access to three dedicated, state-of-the-art computer labs.

Slippery Rock University offers students studying Digital Media Production many opportunities to get involved in campus organizations, including Lambda Pi Eta Communication, Rock Productions, The Rocket Student Newspaper, and WSRU-TV. These groups provide students with networking opportunities and hands-on experience that can be applied in their internships and careers.

WHAT WILL YOU LEARN?

You'll learn to plan and implement media projects-often producing them for real-world clients-by using professional-grade software such as:

- Adobe Creative Suite CC
- Apple software for video and audio
- Graphics packages for TV and media
- Kyrn

In addition to practice and exposure to software used by industry experts, Digital Media Production majors graduate with skills in photojournalism, animation, editing, and more. Students also learn the role and responsibilities of the media in our global society.

CAREERS IN DIGITAL MEDIA PRODUCTION

Through the Digital Media Production program, you'll gain the production, teamwork, and project management skills necessary to obtain entry-level positions with media companies, news agencies, businesses, and non-

profit organizations. Our graduates work with television stations across the state. Digital media is a growing industry that needs qualified college graduates to fill crucial positions, whether it's for the web, television, or the next groundbreaking digital platform.

PROGRAM LEARNING OUTCOMES

- **Writing:** Develop written skills in visual, audio, and digital platforms to design effective messages. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Production Skills:** Develop production skills in the visual, audio, and digital platforms to design effective messages. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Project Management:** Incorporate the design skills of needs assessment, message design, and evaluation when developing, producing, and evaluating a media project. (SRU SLO 1, 2, 5, 8, 9, 10)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

RELATED LINKS

Strategic Communication and Media - Digital Media Production, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-digital-media-production/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	51
	Electives	27

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
	Select one of the following:	3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 26 major credits must be taken at SRU or PASSHE
- 26 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Digital Media Fundamentals		
COMM 235	Introduction to Digital Design ¹	3
COMM 248	Interactive Multimedia 1 ¹	3
COMM 254	Video Production ¹	3
COMM 256	Message Preparation ¹	3
Subtotal		12
Emphasis		
Select Emphasis from the following:		15
Multimedia Emphasis (p. 100)		
Audio Production Emphasis (p. 100)		
Television and Video Production Emphasis (p. 100)		
Digital Media Electives		
Select 2 of the following (at least one course must be 300 level or higher):		6
COMM 205	Audio Production ¹	
COMM 231	Principles of Integrated Marketing Communication & Public Relations ¹	
COMM 247	Photojournalism ¹	
COMM 257	Recording and Producing in the Audio Industry ¹	
COMM 258	Interactive Multimedia 2 ¹	
COMM 263	Media and Society	
COMM 303	Communication and Media Ethics	
COMM 307	Social Media ¹	
COMM 334	Publication Production ¹	
COMM 335	Digital Animation ¹	
COMM 342	Sports Journalism	
COMM 347	New-Media Journalism ¹	
COMM 350	Editing for Video ¹	
COMM 352	Digital Radio Production ¹	
COMM 354	Multi-Camera Studio Production ¹	
COMM 355	Video Field Production ¹	
COMM 365	Sports and Esports Production	
COMM 401	Digital Imaging ¹	
COMM 434	Advertising Production ¹	
COMM 452	Podcasting	
COMM 459	Issues in Communication Technologies ¹	
COMM 480	The Communication Age ¹	
Subtotal		21
Internship		
COMM 450	Internship (3-12 credits) ¹	3
Total Hours		51

¹ Course counts for 50% of Major requirements and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Audio Production Emphasis

Code	Title	Hours
COMM 205	Audio Production ¹	3
COMM 350	Editing for Video ¹	3
COMM 352	Digital Radio Production ¹	3
COMM 452	Podcasting	3
COMM 453	Media Project Management ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Multimedia Emphasis

Code	Title	Hours
COMM 258	Interactive Multimedia 2 ¹	3
COMM 307	Social Media ¹	3
or COMM 347	New-Media Journalism	
COMM 359	Interactive Multimedia 3 ¹	3
COMM 401	Digital Imaging ¹	3
COMM 453	Media Project Management ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Video Production Emphasis

Code	Title	Hours
COMM 205	Audio Production ¹	3
COMM 350	Editing for Video ¹	3
COMM 354	Multi-Camera Studio Production ¹	3
COMM 355	Video Field Production ¹	3
COMM 454	Live Broadcast Production ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA - BS (2119)

Concentration in Digital Media Production (DIGM)

This program is effective as of Summer 2024

Revised 07.24.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16

Spring		
COMM 235	Introduction to Digital Design	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Hours		15

Second Year

Fall		
COMM 248	Interactive Multimedia 1	3
COMM 254	Video Production	3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15

Spring		
COMM 256	Message Preparation	3
SCI 102	Understanding the Physical World	3
Digital Media Emphasis Course		3
Thematic Thread Requirement (p. 19)		3
Electives		3
Hours		15

Third Year

Fall		
COMM 310	Communication Research Methods	3
Digital Media Emphasis Course		3
Thematic Thread Requirement (p. 19)		3
Electives		6
Hours		15
Spring		
Digital Media Emphasis Course		3
Thematic Thread Requirement (p. 19)		3

Digital Media Elective	3
Electives	6
Hours	15
Fourth Year	
Fall	
COMM 410 Communication Law	3
Digital Media Emphasis Course	3
Thematic Thread Requirement (p. 19)	3
Electives	6
Hours	15
Spring	
COMM 497 Senior Capstone Seminar	3
COMM 450 Internship	3
COMM 453 Media Project Management or COMM 454 or Live Broadcast Production	3
Digital Media Elective	3
Electives	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2119

Concentration Code: DIGM

Revised: 09.23.2025

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Health Communication

Health is a top concern for local, national, and global populations and the healthcare industry is growing. Slippery Rock University's Health Communication degree gives students the opportunity to place themselves at the forefront of health communication. Earning a Bachelor's in Health Communication demonstrates not only that graduates understand the nature and complexity of the healthcare industry, but also that they possess the hands-on skills necessary to communicate effectively within this industry.

WHY CHOOSE HEALTH COMMUNICATION?

One of the few Health Communication programs in the Greater Pittsburgh Region, students graduate not only with a firm understanding of the ever-growing healthcare industry, but also the skills and training necessary to prepare, craft, and deliver effective messages within the healthcare context. Career options include digital and social media content

generation, public relations and integrated marketing, advertising, and more.

While majoring in Health Communication, you will have the opportunity to participate in a host of relevant student organizations and complete internships. Upon graduation, students have a portfolio of work that demonstrates a wide range of skills that are relevant to the healthcare industry, including but not limited to: social and digital media content creation, publication production, and research and analytics.

WHAT WILL YOU LEARN?

Working with professors with experience in their fields, the Health Communication Degree provides you with coursework centered on the health industry, as well as applied coursework in public relations, marketing, and advertising. When you choose to major in Health Communication, you benefit from a cutting-edge and modern interdisciplinary program with provides you with the skills and abilities necessary for a fruitful career as a communication professional in the healthcare industry.

CAREERS IN HEALTH COMMUNICATION

It is expected that the healthcare industry will continue to grow. As such, a major benefit of majoring in Health Communication is the plethora of opportunities available to you after graduating. The program's internship opportunities, in combination with the Department of Strategic Communication and Media's vast alumni network make the Health Communication program at SRU a great choice for students as they consider their future careers.

CLUBS & ORGANIZATIONS

Rock PRSSA

Lambda Pi Eta

PROGRAM LEARNING OUTCOMES

STRATEGIC COMMUNICATION AND MEDIA - HEALTH COMMUNICATION, BS

- **Writing:** Produce written health communication tactics to communicate with various publics. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Tailored Strategy:** Employ social media, multimedia, and graphic design technologies to communicate health-focused content to designated audiences. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Campaign Development:** Demonstrate the ability to develop a data-driven strategic health communication plan tailored to a specific target public. (SRU SLO 1, 2, 5, 8, 9, 10)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

RELATED LINKS

Strategic Communication and Media: Health Communication, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-health-communication/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		51
Electives		27

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	15
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		0-3
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 26 major credits must be taken at SRU or PASSHE
- 26 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Health Communication Requirements		
COMM 231	Principles of Integrated Marketing Communication & Public Relations ¹	3
COMM 242 or COMM 256	Media Writing ¹ Message Preparation	3
COMM 270	Strategic Health Communication ¹	3
COMM 303 or HCAM 375 or PHIL 325	Communication and Media Ethics ¹ Ethics & Legal Fundamentals for the Health Professions Medical/Health Care Ethics	3
COMM 333	Writing for Public Relations and Integrated Marketing Communication ¹	3
COMM 370	Health Communication Cases and Strategies ¹	3

COMM 431	PR and IMC Campaigns Capstone ¹	3
COMM 450	Internship ¹	3
HCAM 230	US Healthcare Systems ¹	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis ¹	3
Subtotal		30
Electives		
Select 6 credits from the following (at least one upper-division course is required):		6
COMM 228	Principles of Creative Advertising ¹	
COMM 235	Introduction to Digital Design ¹	
COMM 248	Interactive Multimedia 1 ¹	
COMM 263	Media and Society ¹	
COMM 307	Social Media ¹	
COMM 315	Organizational Communication ¹	
COMM 336	Media Relations and Crisis Communication ¹	
COMM 364	Strategic Brand Communication ¹	
COMM 407	Social Media Network Analytics ¹	
COMM 415	Persuasion ¹	
ENGL 327	Healthcare Writing ¹	
HCAM 335	Current Topics in Health Care ¹	
HLTH 411	Global Health ¹	
MKTG 230	Principles of Marketing ¹	
Subtotal		6
Total Hours		51

¹ Course counts for 50% of Major requirements and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA- BS (2119)

Concentration in Health Communication (HECO)

This program is effective as of Summer 2024

Revised 07.24.2025

UCC 04.16.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
COMM 200	Civil Discourse: Theory & Practice	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
COMM 231	Principles of Integrated Marketing Communication & Public Relations	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
COMM 242 or COMM 256	Media Writing or Message Preparation	3
HCAM 230	US Healthcare Systems	3
SCI 101	Science of Life	3
Elective		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
COMM 270	Strategic Health Communication	3
SCI 102	Understanding the Physical World	3
Health Communication Elective		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Third Year		
Fall		
COMM 310	Communication Research Methods	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
Health Communication Elective		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Spring		
COMM 333	Writing for Public Relations and Integrated Marketing Communication	3
COMM 303 or HCAM 375	Communication and Media Ethics or Ethics & Legal Fundamentals for the Health Professions	3
Thematic Thread Requirement (p. 19)		3

Electives		6
Hours		15
Fourth Year		
Fall		
COMM 370	Health Communication Cases and Strategies	3
COMM 410	Communication Law	3
Thematic Thread Requirement (p. 19)		3
Electives		6
Hours		15
Spring		
COMM 431	PR and IMC Campaigns Capstone	3
COMM 450	Internship	3
COMM 497	Senior Capstone Seminar	3
Elective		6
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2119

Concentration Code: HECO

Revised: 05.10.2023

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Integrated Marketing Communication

Slippery Rock University's Integrated Marketing Communication degree gives students the opportunity to learn what it takes to be at the forefront of modern marketing. Earning a Bachelor's in Integrated Marketing shows that graduates understand the complex and ever-changing world of marketing in the 21st century. SRU's Communication Department (<https://www.sru.edu/academics/colleges-and-departments/cob/departments/strategic-communication-and-media/>) offers campus organizations that specialize in marketing, as well as media production spaces, a cutting-edge curriculum, and modern computer labs.

WHY MAJOR IN COMMUNICATION: INTEGRATED MARKETING?

The Communication major with a concentration in Integrated Marketing prepares you to perform consumer research, strategic planning, message creation, and product branding through a variety of media platforms and across settings. Developed through market research, this new program

received the strong endorsement of our professional advisory board to meet a growing demand for technically savvy graduates with an integrated skill capability to implement multimedia and social media marketing programs.

With the opportunity to participate in a variety of relevant student organizations and up to four internships for credit, IMC majors graduate with a portfolio of work that demonstrates a wide range of proficiencies to potential employers. These student organizations include WSRU-TV (<https://www.facebook.com/wsrutvnews/>), Lambda Pi Eta (<https://www.natcom.org/student-organizations/lambda-pi-eta/>), and PRSSA Rock PRoductions, our student-run integrated marketing communication firm.

WHAT WILL YOU LEARN?

Working with professors with years of experience in their fields, the IMC degree provides applied coursework in public relations and marketing, and allows you to select a concentration area in advertising and publication design or new and social media.

When you choose to major in Integrated Marketing Communication, you benefit from a cutting-edge and modern interdisciplinary program that pulls together project-based coursework in Marketing, Public Relations, Advertising, Social Media, and Graphic Design. You can choose up to four internship opportunities in areas of your interest to further your professional development. In addition, the Senior Capstone Seminar eases your transition from student to professional, offering career preparation and job search skills.

CAREERS IN INTEGRATED MARKETING

One of the many benefits of studying Integrated Marketing is the abundance of opportunities after graduating. Not only are marketing opportunities always growing, but integrated marketing positions are becoming more and more prevalent as marketing platforms continue to grow. This program's internship opportunities—as well as our vast alumni network—make SRU a perfect choice for students thinking about their future careers after graduation.

As a graduate of the IMC program at SRU, students are marketable for employment in public relations, marketing, and advertising positions with agencies and corporations. Our Integrated Marketing graduates have gone on to work locally in Pennsylvania and across the country with high-profile businesses, sports teams, agencies, media organizations, and more.

PROGRAM LEARNING OUTCOMES

- **Targeted Materials:** Produce appropriately targeted media materials in a variety of formats. (SLO 1, 2, 5, 8, 9, 10)
- **Understand the Roles of Marketing Tools:** Understand the role of public relations, advertising, and other promotional marketing tools in the integrated marketing communication mix. (SLO 1, 2, 5, 8, 9, 10)
- **Strategic Campaigns:** Demonstrate the ability to develop a research-based strategic integrated marketing communication plan tailored to a designated consumer profile. (SLO 1, 2, 5, 8, 9, 10)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SLO 1, 2, 5, 8)

- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SLO 1, 5, 8, 10)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SLO 1, 2, 4, 5)

RELATED LINKS

Strategic Communication and Media - Integrated Marketing Communication, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-integrated-marketing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	57
	Electives	21

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3

Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
IMC Requirements		
COMM 231	Principles of Integrated Marketing Communication & Public Relations ¹	3
COMM 307	Social Media	3
COMM 332	Case Studies in Public Relations and Integrated Communication ¹	3
COMM 333	Writing for Public Relations and Integrated Marketing Communication ¹	3
COMM 364	Strategic Brand Communication ¹	3
COMM 407	Social Media Network Analytics ¹	3
COMM 431	PR and IMC Campaigns Capstone ¹	3
MKTG 230	Principles of Marketing ¹	3

MKTG 333	Consumer Behavior ¹	3
MKTG 334	Advertising Management ¹	3
Subtotal		30
Electives		
Select nine credits from the following block (at least one class must be at the 300-level or higher):		9
COMM 205	Audio Production	
COMM 228	Principles of Creative Advertising ¹	
COMM 235	Introduction to Digital Design ¹	
COMM 248	Interactive Multimedia 1 ¹	
COMM 254	Video Production ¹	
COMM 256	Message Preparation	
COMM 263	Media and Society ¹	
COMM 303	Communication and Media Ethics	
COMM 334	Publication Production ¹	
COMM 336	Media Relations and Crisis Communication ¹	
COMM 342	Sports Journalism	
COMM 347	New-Media Journalism ¹	
COMM 405	Global Media ¹	
COMM 415	Persuasion	
COMM 434	Advertising Production ¹	
COMM 452	Podcasting	
COMM 459	Issues in Communication Technologies ¹	
MKTG 336	Professional Selling ¹	
MKTG 338	E-Commerce ¹	
MKTG 430	Marketing Research ¹	
Subtotal		9
Internship		
COMM 450	Internship ¹	3
or MKTG 450	Internship	
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA- BS (2119)

Concentration in Integrated Marketing (IMRK)

This program is effective as of Summer 2024

Revised 07.23.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
COMM 200	Civil Discourse: Theory & Practice	3
ENGL 104	Critical Reading	3
COMM 231	Principles of Integrated Marketing Communication & Public Relations	3
MATH 117	Quantitative Reasoning	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
COMM 256	Message Preparation	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
IMC Elective		3
Social Science Inquiry (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
MKTG 230	Principles of Marketing	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
IMC Elective		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Third Year		
Fall		
COMM 307	Social Media	3
COMM 310	Communication Research Methods	3
COMM 332	Case Studies in Public Relations and Integrated Communication	3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Spring		
COMM 333	Writing for Public Relations and Integrated Marketing Communication	3
MKTG 333	Consumer Behavior	3
Thematic Thread Requirement (p. 19)		3

Electives	6
Hours	15
Fourth Year	
Fall	
COMM 364 Strategic Brand Communication	3
COMM 410 Communication Law	3
MKTG 334 Advertising Management	3
Thematic Thread Requirement (p. 19)	3
Elective	3
Hours	15
Spring	
COMM 407 Social Media Network Analytics	3
COMM 431 PR and IMC Campaigns Capstone	3
COMM 450 Internship	3
COMM 497 Senior Capstone Seminar	3
Elective	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2119

Concentration Code: IMRK

Revised: 07.25.2025

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Multimedia Journalism

SRU's Converged Journalism program primarily emphasizes excellence in writing. As a Journalism student, you will learn to write well within a variety of media in order to excel in a mixed-media working environment. *The Rocket*, SRU's award-winning student newspaper, will provide you with hands-on journalism experience in print, online, and video media.

WHY CHOOSE CONVERGED JOURNALISM?

From your first day as a Journalism student, you will have an opportunity to get involved with student organizations and groups. You will learn in a small class setting that emphasizes individual learning and faculty-student collaboration. After you have some classroom experience you

can practice your skills in a real-world environment as a contributor to *The Rocket*.

WHAT WILL YOU LEARN?

In addition to developing a strong foundation in journalistic-style writing, you'll become proficient in new-media journalism techniques, in a converged media package that includes audio and video production as well as web design.

CAREERS IN JOURNALISM

When you graduate with a degree in Journalism from SRU, you will be ready to begin your career at newspapers, television studios, radio stations, or websites. Other career paths include public relations, video production, sport management, and various other communication-oriented careers.

CLUBS & ORGANIZATIONS

- The Rocket
- WSRU-TV
- Lambda Pi Eta

PROGRAM LEARNING OUTCOMES

- **5.1 Journalistic Writing:** Demonstrate the ability to develop and write news stories for print, broadcast, and digital platforms following AP professional journalistic style, with proper content, grammar, style, and editing components. (SRU SLO 1, SRU SLO 5)
- **5.2 Media Technology:** Employ new-media technologies in reporting. (SRU SLO 1, SRU SLO 5, SRU SLO 10)
- **5.3 Reporting & Investigating:** Employ advanced reporting and investigative skills. (SRU SLO 2, SRU SLO 5, SRU SLO 7)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

Related Links

Strategic Communication and Media - Multimedia Journalism, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-converged-journalism/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	54-63
	Electives	24

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing ^{1,2}	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Journalism Requirements		
COMM 205	Audio Production ¹	3
or COMM 352	Digital Radio Production	
COMM 235	Introduction to Digital Design ¹	3
or COMM 248	Interactive Multimedia ¹	
COMM 247	Photojournalism ¹	3
COMM 347	New-Media Journalism ¹	3
COMM 354	Multi-Camera Studio Production ¹	3
COMM 355	Video Field Production ¹	3
COMM 448	Advanced Media Writing and Reporting ¹	3
COMM 450	Internship ¹	3-12
Subtotal		24-33
Journalism Electives		
Select 5 courses (at least one must be at the 400 level).		15
COMM 205	Audio Production ¹	
COMM 235	Introduction to Digital Design ¹	
COMM 248	Interactive Multimedia ¹	
COMM 254	Video Production ¹	
COMM 263	Media and Society ¹	
COMM 303	Communication and Media Ethics ¹	
COMM 307	Social Media ¹	
COMM 334	Publication Production ¹	
COMM 336	Media Relations and Crisis Communication	
COMM 342	Sports Journalism ¹	
COMM 352	Digital Radio Production ¹	

COMM 365	Sports and Esports Production ¹	
COMM 405	Global Media ¹	
COMM 422	History of Journalism ¹	
COMM 441	Issues in Journalism ¹	
COMM 452	Podcasting	
COMM 454	Live Broadcast Production ¹	
COMM 455	History of Broadcasting ¹	
COMM 458	Media Criticism ¹	
Subtotal		15
Total Hours		54-63

¹ Course counts for 50% of Major and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA- BS (2119)

Concentration in Multimedia Journalism (MUJO)

This program is effective as of Summer 2024

Revised: 07.24.2025

UCC: 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
Select one of the following:		
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ENGL 104	Critical Reading	3
COMM 235	Introduction to Digital Design	3
or COMM 248	or Interactive Multimedia 1	
MATH 117	Quantitative Reasoning	3

Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
COMM 242	Media Writing	3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Elective		6
Declare a Thematic Thread ²		
Hours		15
Spring		
COMM 247	Photojournalism (S)	3
SCI 102	Understanding the Physical World	3
Journalism Elective		3
Thematic Thread Requirement (p. 19)		3
Electives		3
Hours		15
Third Year		
Fall		
COMM 310	Communication Research Methods	3
COMM 347	New-Media Journalism	3
Journalism Elective		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Spring		
COMM 205	Audio Production	3
COMM 355	Video Field Production	3
Thematic Thread Requirement (p. 19)		3
Journalism Elective		3
Electives		3
Hours		15
Fourth Year		
Fall		
COMM 410	Communication Law	3
COMM 354	Multi-Camera Studio Production	3
Journalism Elective		3
Thematic Thread Requirement (p. 19)		6
Elective		
Hours		15
Spring		
COMM 448	Advanced Media Writing and Reporting	3
COMM 497	Senior Capstone Seminar	3
COMM 450	Internship	3
Journalism Elective		3
Electives		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2119

Concentration Code: MUJO

Revised: 07.25.2025

Strategic Communication and Media, Bachelor of Science (BS) - Concentration in Public Relations

Slippery Rock University's Public Relations major enables students to channel their natural ability to communicate complex information into a variety of media platforms and in a number of different settings. By earning a Bachelor of Arts degree in Communication with a major in Public Relations from SRU, you'll be set up to succeed as a PR professional in whichever setting you choose.

The PR curriculum at SRU will prepare you to meet the research, planning, writing, and technology-based aspects of the profession. Our faculty bring not only their extensive knowledge of public relations, marketing, advertising, and social media to the program, but also their professional experience from working in the industry.

WHY MAJOR IN PUBLIC RELATIONS?

When you major in Public Relations at SRU, you will gain a solid background in the history and practices of PR. From copywriting and research to social media and graphic design, you will learn the skills required to succeed professionally after graduation.

In your senior year, you will complete two public relations campaigns for real clients. In addition, the senior capstone seminar will ease your transition from student to professional, offering career preparation and job search skills. As a graduate of the Public Relations program at SRU, you will be marketable for employment in public relations, marketing, and advertising agencies in corporate, nonprofit, and governmental settings.

In addition to the knowledge and hands-on experience you'll gain, you'll also have the opportunity to be a member of several clubs and organizations designed specifically for Communication and Public Relations majors. These include:

- Lambda Pi Eta Communication Honorary
- Public Relations Student Society of America (PRSSA)
- Rock Productions Student Public Relations Firm

WHAT WILL YOU LEARN?

SRU's curriculum gives students a broad stroke foundation in communication and public relations, enabling them to go on to pursue positions in a variety of niches. The core course requirements set the stage for what it means to work in the communication industry, covering concepts, research methods, and mass media.

The public relations emphasis courses cover a wide range of topics, including digital design, journalistic writing, social media, persuasion,

argumentation, and more. Through these classes, students learn about various modes of communication. Additional message production and preparation courses—such as photojournalism, video production, and interactive multimedia—allow students to dig deeper into a certain communication area. Furthermore, students complete one of two business courses—organizational behavior or principles of marketing—to better understand the importance of communication as it relates to the success of a company.

Those who major in Public Relations at SRU also participate in an internship program, which allows them to apply their classroom knowledge in a practical setting. This gives students the hands-on experience needed to enter the workforce after graduation.

CAREERS IN PUBLIC RELATIONS

Public relations professionals ensure that companies, organizations, and individuals reach the right parties with an expertly crafted message in an age of instant information transference. In collaboration with our Advisory Board and skilled professionals working in the field, this degree program is designed to help you develop the specific skills and insights employers are looking for: public opinion research and analysis, strategic planning, effective writing skills, and proficiency in the use of social media, visual, and graphic design technologies. Potential job titles include but are not limited to:

- Public Relations Specialist
- Brand Ambassador
- Publicist
- Event Coordinator
- Social Media Specialist
- Content Strategist
- Copywriter

The success of our program is measured by our graduates who are employed in public relations, marketing, and advertising at agencies, corporate offices, and non-profit organizations.

PROGRAM LEARNING OUTCOMES

- **Writing:** Produce written communication tactics to communicate with various publics. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Tactics:** Employ social media, multimedia, and graphic design technologies to communicate with publics. (SRU SLO 1, 2, 5, 8, 9, 10)
- **Strategic Campaigns:** Demonstrate the ability to develop a research-based strategic communication plan tailored to a specific target public. (SRU SLO 1, 2, 5, 8, 9, 10)

STRATEGIC COMMUNICATION AND MEDIA DEPARTMENT, OVERALL

- **Writing competency:** Students will demonstrate the ability to write and present messages clearly and effectively. (SRU SLO 1)
- **Ethics and legal issues:** Students will understand ethical and legal issues facing communicators in the 21st century. (SRU SLO 8)
- **Research and analysis:** Students will demonstrate the ability to design and implement research studies and critically analyze research data. (SRU SLO 2)

RELATED LINKS

Strategic Communication and Media - Public Relations, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/communication-public-relations/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	54
	Electives	24

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12

Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 Categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Communication Core		
COMM 110	Communication Concepts ^{1,2}	3
COMM 242	Media Writing ¹	3
COMM 310	Communication Research Methods ^{1,2}	3
COMM 410	Communication Law ^{1,2}	3
COMM 497	Senior Capstone Seminar ¹	3
Subtotal		15
Public Relations Requirements		
COMM 231	Principles of Integrated Marketing Communication & Public Relations ¹	3
COMM 307	Social Media ¹	3
COMM 317	Topics in Global and Intercultural Communication ¹	3
COMM 332	Case Studies in Public Relations and Integrated Communication ¹	3
COMM 333	Writing for Public Relations and Integrated Marketing Communication ¹	3
COMM 431	PR and IMC Campaigns Capstone ¹	3
COMM 450	Internship ¹	3-12
Subtotal		21-30

Message Production Tactics

Select three courses of the following (at least one course must be 300 level or higher)

COMM 235	Introduction to Digital Design ¹
COMM 247	Photojournalism ¹

COMM 248	Interactive Multimedia 1 ¹
COMM 254	Video Production ¹
COMM 256	Message Preparation ¹
COMM 258	Interactive Multimedia 2 ¹
COMM 334	Publication Production ¹
COMM 347	New-Media Journalism ¹
COMM 359	Interactive Multimedia 3 ¹
COMM 401	Digital Imaging ¹
COMM 434	Advertising Production ¹
COMM 452	Podcasting

PR Professional Practice

Select two of the following (at least one course must be at 300 level or higher) 6

COMM 205	Audio Production
COMM 228	Principles of Creative Advertising ¹
COMM 263	Media and Society ¹
COMM 270	Strategic Health Communication ¹
COMM 303	Communication and Media Ethics
COMM 312	Argumentation ¹
COMM 315	Organizational Communication ¹
COMM 318	Professional Presentation ¹
COMM 336	Media Relations and Crisis Communication ¹
COMM 342	Sports Journalism
COMM 370	Health Communication Cases and Strategies ¹
COMM 407	Social Media Network Analytics ¹
COMM 415	Persuasion ¹
HEMT 112	Introduction to HEMT ¹
HEMT 210	Contemporary Travel and Tourism ¹
MKTG 230	Principles of Marketing ¹
MGMT 351	Organizational Behavior ¹
MGMT 354	Human Resources Management ¹
PCRM 204	Environmental Communication ¹
or COMM 204	Environmental Communication
PCRM 347	Interpretive Methods and Programming ¹
SPMT 194	Introduction to Sport Management ¹
SPMT 301	The Fan Experience ¹

Total Hours 54

¹ Course counts for 50% of Major and Major GPA

² A grade of 'C' or higher must be earned in these courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

STRATEGIC COMMUNICATION & MEDIA- BS (2119)

Concentration in Public Relations (PUBR)

This program is effective as of Summer 2024

Revision date: 07.24.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
COMM 110	Communication Concepts	3
COMM 263	Media and Society	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
COMM 200	Civil Discourse: Theory & Practice	3
ENGL 104	Critical Reading	3
COMM 231	Principles of Integrated Marketing Communication & Public Relations	3
MATH 117	Quantitative Reasoning	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
COMM 235	Introduction to Digital Design	3
Message Production & Tactics Course		3
Natural Sciences Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
COMM 242	Media Writing	3
Message Production & Tactics Course		3
Physical Sciences Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Third Year		
Fall		
COMM 310	Communication Research Methods	3
COMM 332	Case Studies in Public Relations and Integrated Communication	3
Thematic Thread Requirement (p. 19)		3
Message Production & Tactics Course		3

Elective		3
Hours		15
Spring		
COMM 307	Social Media	3
COMM 333	Writing for Public Relations and Integrated Marketing Communication	3
Thematic Thread Requirement (p. 19)		3
PR Professional Practice Course		3
Elective		3
Hours		15
Fourth Year		
Fall		
COMM 410	Communication Law	3
PR Professional Practice Course		3
Thematic Thread Requirement (p. 19)		3
Elective		6
Hours		15
Spring		
COMM 317	Topics in Global and Intercultural Communication	3
COMM 431	PR and IMC Campaigns Capstone	3
COMM 450	Internship	3
COMM 497	Senior Capstone Seminar	3
Elective		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2119

Concentration Code: PUBR

Revised: 05.10.2023

Strategic Communication and Media, Minor

The Minor in Strategic Communication and Media gives students access to courses in communication theory, strategic communication, and media production. It is the perfect complement to other Slippery Rock University programs of study. Students majoring in sports management, park and resource management, and business are just some of those who find a second home in the Department of Strategic Communication and Media.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Communication Courses		
COMM 110	Communication Concepts ¹	3
Required Communication Diversity Course		
Select one of the following:		3
COMM 217	Intercultural Communication	
COMM 405	Global Media	
Required Research Course		
Select one of the following:		3
COMM 310	Communication Research Methods ¹	
HIST 205	The Historian's Craft	
HLTH 406	Program Planning and Evaluation	
MKTG 430	Marketing Research	
POLI 310	Social Science Research Methods	
PSYC 232	Psychological Science II: Statistical Applications	
SEFE 370	Educational Measurements, Assessment and Evaluation	
SOWK 318	Research Methods	
SPMT 499	Sport Management Research Methods	
Electives		
Communication Elective (300 or 400 level)		3
Communication Elective (any level)		3
Communication Elective (any level)		3
Total Hours		18

¹ Must have a "C" or better in this course.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN STRATEGIC COMMUNICATION & MEDIA (13C)

This program is effective as of Summer 2022

Revised 07.25.2025

UCC: 3.1.22

User Experience & Interface Design, Minor

PROGRAM LEARNING OUTCOMES

SC&M Universal Outcome 1: Degree Program Writing Competency (Universal Outcome)

- SRU SLO 1: Act as effective communicators

SC&M Universal Outcome 2: Ethics & Legal Issues (Universal Outcome)

- SRU SLO 5: Develop as a whole person
- SRU SLO 8: Act ethically
- SRU SLO 9: Develop a worldview that acknowledges diversity and global interdependence

SC&M Universal Outcome 3: Research and Analysis

- SRU SLO 2: Apply critical thinking to argument and problem-solving

SC&M Outcome 6.1. Writing: Digital Media Production

- SRU SLO 1: Act as effective communicators

SC&M Outcome: 6.2. Production Skills

- SRU SLO 6: Demonstrate creativity and develop aesthetic appreciation

To access Minor Requirements, please view the Curriculum Guide tab.

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
COMM 248 or ART 214	Interactive Multimedia 1 Intermediate Studio Digital Media	3
COMM 258	Interactive Multimedia 2 *	3
COMM 359	Interactive Multimedia 3 *	3

Select one of the following: 3

INDP 104	Principles of Sociology
PHIL 362	Philosophy of Mind
PSYC 105	Introduction to Psychology

Concentration Tracks

Select two courses from one of the following tracks: 6

User Interface Design	
ART 114	Basic Studio Digital Media
ART 214	Intermediate Studio Digital Media *
ART 314	Advanced Studio Digital Media *

User Experience Design & Research	
INDP 104	Principles of Sociology
INDP 310	Cultural Area Studies
INDP 326	Society, Culture and Self
INDP 330	Collective Behavior
PHIL 101	Introduction to Philosophy
PHIL 338	Ethics, Technology, and the Future
PHIL 362	Philosophy of Mind
PSYC 105	Introduction to Psychology
PSYC 244	Developmental Psychology
ENGL 365	Writing for the World Wide Web

Total Hours 18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN USER EXPERIENCE & INTERFACE DESIGN (13D)

This program is effective as of Summer 2025

Revised 07.22.2025

UCC: 3.1.22

Military Science (Army ROTC) Programs

- Army ROTC (p. 114)

Army ROTC Requirements for Enrollment

The general requirements for enrollment in Army ROTC stipulate that students be accepted as a regularly enrolled university student and be a citizen of the United States. Veterans and JROTC graduates may

receive exemptions from the basic course as approved by the Professor of Military Science (PMS). For continuation in ROTC during the junior and senior years, students must have a 2.500 grade point average in their academic area, have successfully completed requirements for the Basic Course, pass a physical examination, and be accepted by the PMS. Advanced Course students must agree in writing to complete the junior and senior years.

Army ROTC Scholarship/Financial Assistance

Army ROTC offers two-year, three-year, and four-year scholarships on a competitive basis to the most outstanding students who apply. Three and two-year scholarships are awarded to students already enrolled in college. Students who attend the LTC in the two-year program may compete for two-year scholarships.

Each scholarship pays for college tuition and required educational fees and provides a specified amount for textbooks. Each scholarship also includes subsistence allowance of \$3,500-\$5,000 for every year the scholarship is in effect.

All cadets in the Advanced Course receive a subsistence allowance of \$4,500-\$5,000 for each of the two years (This is not in addition to the subsistence allowance provided to scholarship recipients), as well as pay for attending the five-week Leadership Development and Assessment Course during the summer between their Junior and Senior years.

The Simultaneous Membership Program

Students who have not been awarded an ROTC scholarship can get a head start on their military careers and their future through the Simultaneous Membership Program (SMP). This program allows students to be members of the Army National Guard or the Army Reserve and Army ROTC at the same time.

SMP students are paid at the rate of at least a Sergeant (E-5) for their guard or reserve training assemblies, plus the aforementioned allowance from the ROTC Advanced Course. SMP students may also be eligible for additional federal and state educational benefits. They serve as officer trainees in their guard or reserve units and, under the close supervision of a commissioned officer, perform duties commensurate with those of a Second Lieutenant.

Cadets who successfully complete the SMP program graduate with a commission as a Second Lieutenant. Once commissioned, they may continue to serve in their Army National Guard or Army Reserve units, or they may apply for active duty in the U.S. Army.

Students can be in the SMP program all four years at college. They will be paid at the rate of Sergeant for only the final three years.

The Two-Year Program

The two-year program is designed for junior students and community college graduates, students at four-year colleges who did not take ROTC during their first two years of school, or students entering a two-year post-baccalaureate or graduate course of study.

To enter the two-year program, students must first attend a fully-paid five-week Leadership Training Course (LTC), normally held during the summer between the sophomore and junior years of college. At LTC, students learn to challenge themselves physically and mentally, and to build their confidence and self-respect.

After they have successfully completed LTC, students who meet all necessary enrollment requirements may enroll in the Advanced Course.

Students who have attended basic training/AIT also qualify for the two-year program.

The Four-Year Program

The four-year program is divided into two parts: the Basic Course and the Advanced Course.

The Basic Course is usually taken during the first two years of college and covers such subjects as customs, traditions and organizations of the service, national defense, military history, and leadership development. In addition, a variety of outside social and professional enrichment activities are available. All necessary ROTC textbooks, uniforms, and other essential materials for the Basic Course are furnished at no cost. After completion of the Basic Course, students who have demonstrated the potential to become an officer and who have met the physical and scholastic standards are eligible to enroll in the Advanced Course. (Note: There is no military service obligation associated with taking any Basic Course electives. All electives earn academic credit.)

Military Science

Code	Title	Hours
Freshman Year		
MLSC 100	The American Military Experience	3
MLSC 102	Principles of Leadership	3
Sophomore Year		
MLSC 201	Basic Military Skills	3
MLSC 202	Intermediate Military Skills	3
Junior Year		
MLSC 301	Fundamentals of Tactical Operations	4
MLSC 302	Advanced Military Skills	4
Senior Year		
MLSC 401	Leadership Dimensions and Concepts	4
MLSC 402	Officership and the Profession of Arms	4
Required Course (Any Year)		3
HIST 304	American Military History	3
Total Hours		34

Revised 07.24.2025

College of Education

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The following academic programs and units are in the College of Education:

- Elementary Education/Early Childhood Education (p. 116)
- Physical and Health Education (p. 125)
- Secondary Education/Foundations of Education (p. 149)
- Special Education (p. 174)

Teacher Education Information

The following link takes you to the Four Phases of Teacher Education (<https://www.sru.edu/academics/colleges-and-departments/coe/four-phases-of-teacher-education/>) page, which provides procedures and requirements for such things as Admissions to Candidacy (including testing, GPA, and clearance requirements), Application for Field Experiences and Student Teaching, and application for PA Teacher Certification.

Elementary Education/Early Childhood Education

Programs

Majors

- Early Childhood Education (PK-4), Bachelor of Science in Education (BSED) (p. 116)
- Early Childhood Education (PK-4), Bachelor of Science in Education (BSED) - Concentration in International Education (p. 120)
- Early Childhood Education (PK-4)/Special Education (PK-12), Bachelor of Science in Education (BSED) (p. 174)
- Early Childhood Education (PK-4)/Special Education (PK-12), Bachelor of Science in Education (BSED) - Concentration in International Education (p. 178)

Minors

- Global Education, Minor (p. 124)

Early Childhood Education (PK-4), Bachelor of Science in Education (BSED)

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

PROGRAM LEARNING OUTCOMES

PROGRAM GOAL 1 Danielson Framework 1b: Demonstrating Knowledge of Students: Child and adolescent development; Learning process; Special needs; Students' skills, knowledge, and language proficiency; Students' interests and cultural heritage

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 2 Danielson Framework 1c: Setting Instructional Outcomes: Value, sequence, and alignment; Clarity; Balance; Suitability for diverse learners

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 3 Danielson Framework 1d: Demonstrate Knowledge of Resources: Resources for Classroom Use; Resources to Extend Content Knowledge and Pedagogy; Resources for Students

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 4 Danielson Framework 3a: Communicate with Students: Expectations for Learning; Directions and Procedures; Explanations of Content; Use of Oral and Written Language

- **University Wide Outcome 1. Act as effective communicators:** Communicate successfully with diverse audiences in speech and writing. Demonstrate active listening skills. Apply analytical reading to support language use.
- **University Wide Outcome 9. Develop a worldview that acknowledges diversity and global interdependence:** Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.

PROGRAM GOAL 5 Danielson Framework 3c: Engage Students in Learning: Activities and Assignments; Grouping of Students, Instructional Materials and Resources; Structure and Pacing

- **Middle States Standards III.5.a:** Offer a sufficient scope to draw students into new areas of intellectual experience, expanding their cultural and global awareness and cultural sensitivity, and preparing them to make well-reasoned judgments outside as well as within their academic field
- **University Wide Outcome 9. Develop a worldview that acknowledges diversity and global interdependence:** Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.

PROGRAM GOAL 6 Danielson Framework 4e Growing and Developing

Professionally: Enhancement and Content Knowledge and Pedagogical Skills, Receptivity to Feedback from Colleagues, Service to the Profession

- **Middle States Standards II.2:** Foster a climate of respect among students, faculty, staff, and administration from a range of diverse backgrounds, ideas, and perspectives
- **University Wide Outcome 5. Develop as a whole person:** Acquire and apply knowledge and skills in the major and profession, including soft skills. Make connections beyond traditional disciplinary boundaries. Demonstrate a desire for lifelong learning. Establish an identity that incorporates emotional and physical wellness.

PROGRAM GOAL 7 Danielson Framework 4f: Demonstrating

Professionalism: Integrity and Ethical Conduct, Service to Students, Advocacy, Decision Making

- **University Wide Outcome 8. Act ethically:** Respect the range of ethical perspectives. Understand their own values and principles. Recognize the consequences and impacts of their actions on others.

Related Links

Early Childhood Education, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/early-childhood-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	70
	Electives	13

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
MATH 310	Mathematics for Elementary Teachers II	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
SOWK 105	Human Diversity	3
SPED 121	Overview of Special Education	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 35 major credits must be taken at SRU or PASSHE
- 35 major credits must be taken at the 300 level or above

Code	Title	Hours
Early Childhood Education Courses		
(Prior to Admittance into Teacher Candidacy Program)		
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
PHED 243	Educational Movement in Health & Wellness	3

or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education	3
Subtotal		12
Diversity Block		
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
or CIEL 326	Teaching Multi Language Learners	
ELEC 281	Family and Community Diversity and Partnerships	3
Subtotal		9
Early Literacy Block		
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 285	Integrating Creative Expression through the Arts	3
Subtotal		6
Early Childhood Major Courses		
Must be admitted to Teacher Candidacy Program and have completed both Diversity and Literacy blocks above		
<i>Block 1</i>		
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
SPED 350	Universal Intervention	3
Subtotal		13
<i>Block 2</i>		
ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Subtotal		15
Other Required Coursework for Graduation		
ELEC 348	Leadership, Advocacy & Program Development	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
Select one		12
ELEC 455	Student Teaching: Early Childhood ¹	
CIEL 455	Student Teaching: Elementary or Secondary School ¹	
Subtotal		15
Total Hours		70

¹ Course counts for Major requirements but not for Major GPA.

* Some courses may require pre-requisites. Please consult with your academic advisor.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs
2. High-Impact Practice (HIP) designated classes
3. Student-Faculty research and Student Leadership development
4. Career Education and Development
5. Internships/Field Experiences (required)

Important Information

Prerequisites for Admission to Teacher Candidacy

- Grades below a "C" are not admissible.

Code	Title	Hours
Basic Courses		
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Math Requirement for BS in Education		
Prior to Admission to Teacher Candidacy		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Total Hours		21

BSED Early Childhood PK-4 Grade Requirement

- Grades in each of the following courses must be "C" or better to qualify for Student Teaching and/or Graduation

Code	Title	Hours
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 285	Integrating Creative Expression through the Arts	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3

ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
ELEC 348	Leadership, Advocacy & Program Development	3
ELEC 420	Early Childhood Field Experience	3
Select one		
ELEC 455	Student Teaching: Early Childhood ¹	12
CIEL 455	Student Teaching: Elementary or Secondary School ¹	
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education	3
SPED 350	Universal Intervention	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

EARLY CHILDHOOD EDUCATION - BSED (1100) / CIM 153

Pre K-4 Certification

This program is effective as of Summer 2025

Revised 07.24.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ELEC 100	Early Childhood Education Theory & Practice	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SCI 101	Science of Life	3
SPED 121	Overview of Special Education	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ELEC 200	Child Development Typical	3

ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
SCI 102	Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Second Year

Fall

Diversity Block		
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 281	Family and Community Diversity and Partnerships	3
MATH 310	Mathematics for Elementary Teachers II	3
Humanities Inquiry (p. 19)		3
Hours		15

Spring

Early Literacy Block

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 285	Integrating Creative Expression through the Arts	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	or Creative Dance for Children	
Social Science Inquiry (p. 19)		3
Hours		15

Third Year

Fall

ELEC 348	Leadership, Advocacy & Program Development	3
SOWK 105	Human Diversity	3
Free Elective		9
Hours		15

Spring

Block 1

ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
SPED 350	Universal Intervention	3
Free Elective		3
Hours		16

Fourth Year

Fall

Block 2

ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Hours		15
Spring		
ELEC 455	Student Teaching: Early Childhood	12
Free Elective		1
Hours		13
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1100
Revised 07.25.2025

Early Childhood Education (PK-4), Bachelor of Science in Education (BSED) - Concentration in International Education

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

The mission of the international concentration is to equip, inspire, and empower teacher candidates by providing them opportunities to develop their personal and professional global awareness; to deepen their understanding of culturally responsive teaching and to experience international teaching in order to be prepared for teaching in the 21st century.

PROGRAM LEARNING OUTCOMES

PROGRAM GOAL 1 Danielson Framework 1b: Demonstrating Knowledge of Students: Child and adolescent development; Learning process; Special needs; Students' skills, knowledge, and language proficiency; Students' interests and cultural heritage

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 2 Danielson Framework 1c: Setting Instructional Outcomes: Value, sequence, and alignment; Clarity; Balance; Suitability for diverse learners

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 3 Danielson Framework 1d: Demonstrate Knowledge of Resources: Resources for Classroom Use; Resources to Extend Content Knowledge and Pedagogy; Resources for Students

- **University Wide Outcome 2: Apply critical thinking to argument and problem solving:** Gather, analyze and evaluate information and ideas. Produce well-supported reasons and evidence. Reach well-argued conclusions and decisions. Use a variety of viewpoints and reflective thought.

PROGRAM GOAL 4 Danielson Framework 3a: Communicate with Students: Expectations for Learning; Directions and Procedures; Explanations of Content; Use of Oral and Written Language

- **University Wide Outcome 1. Act as effective communicators:** Communicate successfully with diverse audiences in speech and writing. Demonstrate active listening skills. Apply analytical reading to support language use.
- **University Wide Outcome 9. Develop a worldview that acknowledges diversity and global interdependence:** Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.

PROGRAM GOAL 5 Danielson Framework 3c: Engage Students in Learning: Activities and Assignments; Grouping of Students, Instructional Materials and Resources; Structure and Pacing

- **Middle States Standards III.5.a:** Offer a sufficient scope to draw students into new areas of intellectual experience, expanding their cultural and global awareness and cultural sensitivity, and preparing them to make well-reasoned judgments outside as well as within their academic field
- **University Wide Outcome 9. Develop a worldview that acknowledges diversity and global interdependence:** Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.

PROGRAM GOAL 6 Danielson Framework 4e Growing and Developing Professionally: Enhancement and Content Knowledge and Pedagogical Skills, Receptivity to Feedback from Colleagues, Service to the Profession

- **Middle States Standards II.2:** Foster a climate of respect among students, faculty, staff, and administration from a range of diverse backgrounds, ideas, and perspectives
- **University Wide Outcome 5. Develop as a whole person:** Acquire and apply knowledge and skills in the major and profession, including soft skills. Make connections beyond traditional disciplinary boundaries. Demonstrate a desire for lifelong learning. Establish an identity that incorporates emotional and physical wellness.

PROGRAM GOAL 7 Danielson Framework 4f: Demonstrating

Professionalism: Integrity and Ethical Conduct, Service to Students, Advocacy, Decision Making

- **University Wide Outcome 8. Act ethically:** Respect the range of ethical perspectives. Understand their own values and principles. Recognize the consequences and impacts of their actions on others.

Related Links

Early Childhood Education - International Education, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/early-childhood-education-international-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for *Teacher Candidacy*.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		70
Electives		13

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
MATH 310	Mathematics for Elementary Teachers II	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
SOWK 105	Human Diversity	3
SPED 121	Overview of Special Education	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 35 major credits must be taken at SRU or PASSHE
- 35 major credits must be taken at the 300 level or above

Code	Title	Hours
Early Childhood Education Courses		
(Prior to Admittance into Teacher Candidacy Program)		
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education	3
or DANC 223	Creative Dance for Children	
Subtotal		12
Diversity Block		
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
or CIEL 326	Teaching Multi Language Learners	

ELEC 281	Family and Community Diversity and Partnerships	3
Subtotal		9
Early Literacy Block		
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 285	Integrating Creative Expression through the Arts	3
Subtotal		6
Early Childhood Major Courses		
Must be admitted to Teacher Candidacy Program and have completed both Diversity and Literacy blocks above		
<i>Block 1</i>		
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
SPED 350	Universal Intervention	3
Subtotal		13
<i>Block 2 (Pre-req is Block 1)</i>		
ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Subtotal		15
Other Required Coursework for Graduation		
ELEC 405	Overview of and Immersion in Global Education	3
Select one		12
ELEC 455	Student Teaching: Early Childhood ¹	
CIEL 455	Student Teaching: Elementary or Secondary School ¹	
Subtotal		15
Other International Requirements		
One study abroad program or other global experience approved by COE International Coordinators		
Total Hours		70

¹ Course counts for Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please consult with your academic advisor.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. International study programs
2. High-Impact Practice (HIP) designated classes
3. Student-Faculty research and Student Leadership development
4. Career Education and Development
5. Internships/Field Experiences (required)

Important Information

Prerequisites for Admission to Teacher Candidacy

- Grades below a "C" are not admissible.

Code	Title	Hours
Basic Courses Required		
ENGL 102	Critical Writing	3
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ENGL 104	Critical Reading	3
Subtotal		15
Math Requirement for BS in Education		
Prior to Admission to Teacher Candidacy		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Subtotal		6
Total Hours		21

BSED Early Childhood PK-4 Grade Requirement

- Grades in each of the following courses must be "C" or better to qualify for Student Teaching and/or Graduation

Code	Title	Hours
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 285	Integrating Creative Expression through the Arts	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
ELEC 405	Overview of and Immersion in Global Education	3
ELEC 420	Early Childhood Field Experience	3

ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 475	International Student Teaching: Early Childhood	1-12
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
PHED 243 or DANC 223	Educational Movement in Health & Wellness Creative Dance for Children	3
SPED 121	Overview of Special Education	3
SPED 350	Universal Intervention	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EARLY CHILDHOOD EDUCATION PK-4 CERTIFICATION - BSED

(1100/0024) / CIM 154

Concentration in International Education (INTL/INTR)

This program is effective as of Summer 2025

Revised 07.24.2025

UCC 03.18.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ELEC 100	Early Childhood Education Theory & Practice	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SCI 101	Science of Life	3
SPED 121	Overview of Special Education	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ELEC 200	Child Development Typical	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
SCI 102	Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Second Year

Fall

Diversity Block		
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 281	Family and Community Diversity and Partnerships	3
MATH 310	Mathematics for Elementary Teachers II	3
Humanities Inquiry (p. 19)		3
Hours		15

Spring

Early Literacy Block

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 285	Integrating Creative Expression through the Arts	3
PHED 243 or DANC 223	Educational Movement in Health & Wellness or Creative Dance for Children	3
SOWK 105	Human Diversity	3
Hours		15

Third Year

Fall

ELEC 348	Leadership, Advocacy & Program Development	3
Social Science Inquiry (p. 19)		3
Minor Course or Free Electives		9
Hours		15

Spring

Block 1

ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
SPED 350	Universal Intervention	3
Minor Course or Free Elective		3
Hours		16

Fourth Year

Fall

Block 2

ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3

ELEC 480	Assessment for Differentiation of Literacy Instruction	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Hours		15
Spring		
ELEC 455	Student Teaching: Early Childhood	12
Free Elective		1
Hours		13
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 1100
Revised 07.25.2025

Global Education, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. Demonstrate an awareness of how the interrelatedness of culture and structure education at local, global, and international levels.
 - a. UO 9. Develop a worldview that acknowledges diversity and global interdependence: Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.
2. Develop a multi-perspective analysis of educational systems that are practiced in local, national, and international arenas.
 - a. UO 8. Act ethically: Respect the range of ethical perspectives. Understand their own values and principles. Recognize the consequences and impacts of their actions on others.
3. Demonstrate an understanding of the interrelatedness of local, global, international, and intercultural issues, trends, and systems.
 - a. UO 7. Become civically engaged: Acquire and apply skills and knowledge based on partnership and reciprocity within and beyond the university community. Contribute to the betterment of society.
 - b. UO 9. Develop a worldview that acknowledges diversity and global interdependence: Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.
4. Address local, global, international, and intercultural educational problems.
 - a. UO 7. Become civically engaged: Acquire and apply skills and knowledge based on partnership and reciprocity within and

beyond the university community. Contribute to the betterment of society.

- b. UO 9. Develop a worldview that acknowledges diversity and global interdependence: Understand the importance of diverse experiences, cultures, and identities. Understand the ways that group and individual inequalities and interactions impact self and society. Apply multiple perspectives to address local, regional, global, and cultural issues.
5. Demonstrate a willingness to accept shared responsibility for infusing multicultural perspectives into a school curriculum.
 - a. UO 5. Develop as a whole person: Acquire and apply knowledge and skills in the major and profession, including soft skills. Make connections beyond traditional disciplinary boundaries. Demonstrate a desire for lifelong learning.
 - b. UO 7. Become civically engaged: Acquire and apply skills and knowledge based on partnership and reciprocity within and beyond the university community. Contribute to the betterment of society.
 - i. UO 10. Act as responsible digital citizens: Recognize the rights, responsibilities, and opportunities of living, learning, and working in an interconnected digital world. Use relevant digital technologies competently in ways that are safe, legal, and ethical.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or Higher

Minor Requirements

- Students must complete at least 6 credits in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
CDEV 248 or ELEC 200	Human Development and Education Child Development Typical	3
ELEC 237 or SEFE 326	ELL Strategies and Practice for Early Childhood Education ELL Strategies and Practice	3
Subtotal		6
Electives		
Select four of the following:		12
COMM 217	Intercultural Communication	
ELEC 405	Overview of and Immersion in Global Education	
PHIL 140	World Religions	
SEFE 420	American Education in the Twenty-First Century: A Comparative Perspective	
SPAN 110	Spanish for Educators	
SPED 353	Teaching in an Area of High Need	

MODL 3XX/4XX	Any Modern Language Course at 300 level or higher ¹
Subtotal	12
Total Hours	18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

¹ Any Modern Language Course at 300 level or higher.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GLOBAL EDUCATION (11A)

This program is effective as of Summer 2024

Revised 12.19.2023

UCC 11.28.2023

Physical and Health Education Programs

Majors

- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management (p. 127)
- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Athletic Training (SRU) (3+2) (p. 130)
- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Athletic Training (SRU) (Traditional) (p. 133)
- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Occupational Therapy (SRU) (3+3) (p. 136)
- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Occupational Therapy (SRU) (Traditional) (p. 140)
- Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in School Wellness Education (p. 143)

Minors

- Adapted Physical Activity, Minor (p. 125)
- Adventure Fitness, Minor (p. 126)
- Aquatics, Minor (p. 126)
- Physical Education - Coaching, Minor (p. 147)
- Wellness, Minor (p. 148)

Certificates

- Living Well, Certificate (p. 147)

Adapted Physical Activity, Minor

The Adapted Physical Activity (APA) program is dedicating to serving individuals of various ages and disabilities by promoting health and wellness, as well as empowering them to reach their full potential. Slippery Rock University (SRU) offers the only APA undergraduate minor in the entire state of Pennsylvania.

MISSION

To provide an opportunity for students to demonstrate professionalism, advocacy and leadership qualities in professional preparation programs by improving the health, physical activity, and wellness of individuals with disabilities.

PROGRAM LEARNING OUTCOMES

- **Communication and Technology:** Communicate effectively in speech and in writing, using appropriate information sources, presentation formats, and technologies.
- **Professional Proficiency:** Apply knowledge, skills, and abilities to meet professional competencies in physical activity for individuals with disabilities.
- **Critical Thinking and Problem Solving:** Locate, analyze, synthesize, and evaluate information and ideas from multiple perspectives.
- **Advocacy:** Apply advocacy skills to assist in the support of health promotion, healthy lifestyles, physical activity, and wellness for individuals with disabilities.
- **Leadership:** Use advocacy and leadership skills to assist in promotion of independence, healthy lifestyles, and well-being for individuals with disabilities.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Courses		
PHED 227	Introduction to Adapted Physical Activity	3
PHED 262	Adapted Aquatics	3
PHED 266	Disability Sport in the 21st Century: A Global Perspective	3
PHED 353	Adapted Physical Activity and Health Through the Lifespan	3

PHED 460	Program Design in Adapted Physical Activity	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
Total Hours		18

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ADAPTED PHYSICAL ACTIVITY (61B)

This program is effective as of Fall 2013.

Revised 09.18.2025

Adventure Fitness, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (an upper division course includes any 3 credit course that requires a pre-requisite)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Adventure Fitness Required Courses		
PHED 241	Outdoor Pursuits	3
PHED 332	Administration and Management of Physical Activity	3
PHED 334	Applied Methodologies in Adventure	3
PHED 342	Wellness through Movement	3
Adventure Fitness Elective Classes		
Select six credits of the following:		6
PHED 123	Stand-Up Paddle Boarding	
PHED 125	Bicycling	
PHED 182	Introduction to Rock Climbing	
PHED 186	Cross Country Skiing and Snowshoeing	
PHED 236	Introduction to Kayaking	

PHED 272	Enhancing Fitness through Running and Walking	
PHED 276	Skate-Based Action Sports	
PHED 349	Skin and Scuba Diving	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ADVENTURE FITNESS (61F)

This program is effective as of Fall 2018.

Revised 09.18.2025

Aquatics, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Aquatic Core		
PHED 107	Aquatic Fundamentals	3
PHED 262	Adapted Aquatics	3
PHED 263	Lifeguarding	3
PHED 348	Aquatic Leadership	2
Aquatic Instructor Courses		
PHED 363	Lifeguarding Instructor	3
PHED 446	Water Safety Instruction	3
Aquatic Electives		
Select two of the following courses:		2-6

PHED 123	Stand-Up Paddle Boarding
PHED 187	Flat-water Canoe Tripping
PHED 189	Basic Canoeing
PHED 236	Introduction to Kayaking
PHED 237	Emergency Medical Response
PHED 345	Teaching and Coaching of Water Polo
PHED 349	Skin and Scuba Diving

Total Hours**19-23**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN AQUATICS (61D)

This program is effective as of Fall 2018.

Revised 09.18.2025

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management

The Physical Education - Physical Activity and Fitness Management concentration will prepare professionals to plan, implement, and evaluate physical activity programs in corporate, community, and non-profit settings. The physical activity and fitness management concentration has intellectual value in academia while addressing emerging regional and national employment trends, student interests and preferences, and community need. The uniqueness of this concentration centers around a personnel preparation core combined with students preferred choice of two of five well-established and emerging specialty areas.

Program Learning Outcomes

- **Instructional Excellence:** Develop Physical Activity and Fitness Managers who educate and empower individuals to lead active healthy lifestyles.
- **Physical Health and Wellness Competency:** Develop Physical Activity and Fitness Managers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition.
- **Social, Emotional and Cognitive Wellness:** Develop Physical Activity and Fitness Managers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others.
- **Physical Activity Management in Community and Commercial Settings:** Prepare Physical Activity and Fitness Managers to

coordinate and lead comprehensive wellness programs that promote health literacy and physical activity in Community and Commercial Settings.

- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities.

Related Links

Health and Physical Education - Physical Activity and Fitness Management, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/physical-activity-and-fitness-management/>)

Physical Activity and Fitness Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PAFM-FS.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 202	Technology for Wellness ¹	3
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 331	Evidence-Based Physical Activity ¹	3
PHED 332	Administration and Management of Physical Activity ¹	3
PHED 450	Internship ¹	6
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3
Subtotal		24
Fitness/Health Courses		
PHED 242	Physical Health and Fitness Education ¹	3

PHED 268	Contemporary Topics in Health ¹	3
PHED 335	Science of the Mind-Body Connection ¹	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab ¹	3
Subtotal		12

Blocks

Select two of the following blocks A, B, C, D or E 24

Block A: Adapted Physical Activity

PHED 227	Introduction to Adapted Physical Activity ¹
PHED 353	Adapted Physical Activity and Health Through the Lifespan ¹
PHED 460	Program Design in Adapted Physical Activity ¹
Select three credits from the following:	
PHED 262	Adapted Aquatics
PHED 266	Disability Sport in the 21st Century: A Global Perspective

Block B: Aquatics

PHED 107	Aquatic Fundamentals ¹
PHED 348	Aquatic Leadership ¹
PHED 446	Water Safety Instruction ¹
Select four credits from the following:	
PHED 123	Stand-Up Paddle Boarding ¹
PHED 189	Basic Canoeing ¹
PHED 236	Introduction to Kayaking ¹
PHED 237	Emergency Medical Response ¹
PHED 262	Adapted Aquatics ¹
PHED 263	Lifeguarding ¹
PHED 345	Teaching and Coaching of Water Polo ¹
PHED 349	Skin and Scuba Diving ¹
PHED 363	Lifeguarding Instructor ¹

Block C: Outdoor Adventure Fitness

PHED 241	Outdoor Pursuits ¹
PHED 334	Applied Methodologies in Adventure ¹
Select six credits from the following:	
PHED 123	Stand-Up Paddle Boarding ¹
PHED 125	Bicycling ¹
PHED 182	Introduction to Rock Climbing ¹
PHED 186	Cross Country Skiing and Snowshoeing ¹
PHED 236	Introduction to Kayaking ¹
PHED 272	Enhancing Fitness through Running and Walking ¹
PHED 276	Skate-Based Action Sports ¹
PHED 349	Skin and Scuba Diving ¹

Block D: Coaching Education

PHED 270	Psychological and Sociological Bases of Sport ¹
PHED 306	Conditioning for Athletic Performance ¹
PHED 369	Philosophy and Psychology of Coaching ¹
Select three credits of the following:	
PHED 230	Teaching and Coaching of Track & Field ¹
PHED 237	Emergency Medical Response ¹
PHED 238	Applied Principles of Exercise ¹

PHED 266	Disability Sport in the 21st Century: A Global Perspective ¹
PHED 301	Sports Officiating ¹
PHED 338	Teaching and Leading Group Exercise ¹
PHED 356	Net/Wall Activities and Games ¹
PHED 358	Lifetime/Leisure Activities and Games ¹
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 393	Nutrition for Physical Activity, Exercise, and Health
Block E: Fitness	
PHED 238	Applied Principles of Exercise ¹
PHED 393	Nutrition for Physical Activity, Exercise, and Health
Select six credits from the following:	
PHED 338	Teaching and Leading Group Exercise ¹
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 379	Fitness Management ¹
Subtotal	24
Total Hours	60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Career education and development
6. Internship
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Health and Physical Education - BSED (1158)

Concentration in Physical Activity and Fitness Management (PAFM)

This program is effective as of Spring 2020.

Revised 07.24.2025

UCC 02.18.20

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PHED 131	Foundations of Leadership in Physical Activity	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
PHED 231	Strategies for Teaching Physical Activity	3
PHED 242	Physical Health and Fitness Education	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PHED 202	Technology for Wellness	3
SCI 101	Science of Life	3
PAFM Specialty Area		3
PAFM Specialty Area		3
Social Science Inquiry (p. 19)		3
Elective/Minor		3
Declare a Thematic Thread ²		
Hours		18
Spring		
PHED 268	Contemporary Topics in Health	3
PHED 331	Evidence-Based Physical Activity	3
SCI 102	Understanding the Physical World	3
PAFM Specialty Area		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor		3
Hours		18
Third Year		
Fall		
PHED 332	Administration and Management of Physical Activity	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
PAFM Specialty Area		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor		3

Elective/Minor		3
Hours		18
Spring		
PHED 335	Science of the Mind-Body Connection	3
PAFM Specialty Area		3
PAFM Specialty Area		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor		3
Hours		15
Fourth Year		
Fall		
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
PAFM Specialty Area		3
PAFM Specialty Area		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor		3
Hours		15
Spring		
PHED 450	Internship	6-12
Hours		6-12
Total Hours**		121-127

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1158

Concentration Code: PAFM

Revised: 07.25.2025

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Athletic Training (SRU) (3+2)

The Physical Education - Physical Activity and Fitness Management concentration will prepare professionals to plan, implement, and evaluate physical activity programs in corporate, community, and non-profit settings. The physical activity and fitness management concentration has intellectual value in academia while addressing emerging regional and national employment trends, student interests and preferences, and community need. The uniqueness of this concentration centers around

a personal preparation core combined with students preferred choice of two of five well-established and emerging specialty areas.

The proposed Health & Physical Education/Physical Activity & Fitness Management Pre-Athletic Training 3+2 (PAFM Pre-AT 3+2) program is designed to give students an opportunity to enrich their undergraduate education with an intensive program in PAFM and facilitate their entry into the Master of Science in Athletic Training at SRU. The course work is tailored to meet the needs of the student both as an HPE/PAFM major and to prepare them for a Masters of Athletic Trainer program.

Program learning Outcomes

- **Instructional Excellence:** Develop Physical Activity and Fitness Managers who educate and empower individuals to lead active healthy lifestyles. (SRU 1, 2, 3)
- **Physical Health and Wellness Competency:** Develop Physical Activity and Fitness Managers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition. (SRU 1, 2, 3)
- **Social, Emotional and Cognitive Wellness:** Develop Physical Activity and Fitness Managers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others. (SRU 5, 8)
- **Physical Activity Management in Community and Commercial Settings:** Prepare Physical Activity and Fitness Managers to coordinate and lead comprehensive wellness programs that promote health literacy and physical activity in Community and Commercial Settings. (SRU 7,9)
- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities. (SRU 7, 9)

Related Links

Health and Physical Education - Physical Activity and Fitness Management, BSED / Pre-Athletic Training (SRU) (3+2) Program Page (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/physical-and-health-education/undergraduate-programs/>)

Physical Activity and Fitness Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PAFM-FS.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – HEALTH & PHYSICAL EDUCATION

1st Major: Health & Physical Education, Physical Activity & Fitness Management

- Overall GPA: 2.00 or higher

2nd Major: Pre-AT SRU 3+2 Health & Physical Education, Physical Activity & Fitness Management

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3

Major Requirements	55
Electives	21

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Must choose a Thematic Thread with at least 2 AT Prerequisite classes including PSYC 105		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Athletic Training prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Athletic Training SRU 3+2 Health and Physical Education - Physical Activity & Fitness Management and are not accepted into the AT program, then additional coursework is required to complete a first major of Health and Physical Education - Physical Activity & Fitness Management. Please refer to the Curriculum Guide.

Code	Title	Hours
PAFM Required Core Courses		
Must earn a "C" or better in the following courses		
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 202	Technology for Wellness ¹	3
PHED 231	Strategies for Teaching Physical Activity ¹	3
PHED 331	Evidence-Based Physical Activity ¹	3
PHED 332	Administration and Management of Physical Activity ¹	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3
Subtotal		18
Required Fitness/Health Courses		
Must earn a "C" or better in the following courses		
PHED 242	Physical Health and Fitness Education ¹	3
PHED 268	Contemporary Topics in Health ¹	3
PHED 335	Science of the Mind-Body Connection ¹	3
BIOL 309	Human Anatomy and Physiology II	4
Subtotal		13

Required Coursework for PAFM Pre-Athletic Training 3+2 majors

<i>Coaching Education:</i>		
Must earn a "C" or better in the following courses		
PHED 237	Emergency Medical Response ¹	3
PHED 270	Psychological and Sociological Bases of Sport ¹	3
PHED 306	Conditioning for Athletic Performance ¹	3
PHED 369	Philosophy and Psychology of Coaching ¹	3
Subtotal		12

Fitness

Must earn a "C" or better in the following courses:

PHED 238	Applied Principles of Exercise ¹	3
PHED 378	Teaching and Leading of Strength and Resistance Training	3
PHED 393	Nutrition for Physical Activity, Exercise, and Health	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
Subtotal		12
Total Hours		55

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL ATHLETIC TRAINING PREREQUISITE COURSES

Code	Title	Hours
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3-4
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3

Athletic Training Graduate Program (Master of Science in Athletic Training)

Prerequisite Admission Requirements – Pre-Athletic Training SRU 3+2

For Application Requirements:

Please refer to Slippery Rock University's Athletic Training Graduate Program. (Master of Science in Athletic Training) website for requirements: www.sru.edu/AT (<http://www.sru.edu/AT/>)

Code	Title	Hours
Prerequisite Courses - SRU Athletic Training Graduate Program:		
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
EXER 201	Exercise Physiology with Lab	3
or PHED 238	Applied Principles of Exercise	
EXER 202	Biomechanics with Lab	3
or RCTH 364	Biomechanics of Individuals with Disabilities	
EXER 250	Medical Terminology	3

or HCAM 250	Medical Terminology for Healthcare Administrators	
EXER 424	Nutrition and Exercise	3
or PHED 393	Nutrition for Physical Activity, Exercise, and Health	
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I	3
Total Hours		36

Requirements for Pre-Athletic Training SRU 3+2:

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Athletic Training SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision:

Should a Pre-Athletic Training SRU 3+2 student be unsuccessful in completing the 1st three semesters (summer or fall or spring terms) of the Athletic Training Graduate Program and want to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, graduate level AT courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the AT program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH & PHYSICAL EDUCATION - PAFM BSED (1158/PAFM)

PRE-AT SRU 3+2 (11AT)

This program is effective as of Summer 2022

Revised 07.25.2025

UCC 02.28.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
PHED 131	Foundations of Leadership in Physical Activity	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3

SUBJ 139	Foundations of Academic Discovery	3
Hours		17
Spring		
PHED 231	Strategies for Teaching Physical Activity	3
PHED 242	Physical Health and Fitness Education	3
BIOL 110	The Human Body: Fundamentals of Structure and Physiology (Thematic Thread Option)	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
COMM 200 or PHIL 110 or POLI 235	Civil Discourse: Theory & Practice or Ethics and Civil Discourse or Civil Discourse and Democracy	3
Hours		18
Second Year		
Fall		
PHED 238	Applied Principles of Exercise	3
PHED 268	Contemporary Topics in Health	3
PHED 270	Psychological and Sociological Bases of Sport	3
BIOL 209	Human Anatomy and Physiology I	4
Creative & Aesthetic Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		19
Spring		
PHED 369	Philosophy and Psychology of Coaching	3
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology (Thematic Thread Option)	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		19
Third Year		
Fall		
PHED 202	Technology for Wellness	3
PHED 331	Evidence-Based Physical Activity	3
PHED 332	Administration and Management of Physical Activity	3
PHED 378	Teaching and Leading of Strength and Resistance Training	3
CHEM 104	Introduction Chemistry I	3
Social Science Inquiry (p. 19)		3
Hours		18
Spring		
PHED 237	Emergency Medical Response	3
PHED 306	Conditioning for Athletic Performance	3
PHED 335	Science of the Mind-Body Connection	3
PHED 393	Nutrition for Physical Activity, Exercise, and Health	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3

Thematic Thread Requirement (p. 19)	3
Hours	18
Total Hours**	109

* Students are encouraged to take ESAP 101 as a Free Elective.

Revised 07.25.2025

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Athletic Training (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Instructional Excellence:** Develop Physical Activity and Fitness Managers who educate and empower individuals to lead active healthy lifestyles.
- **Physical Health and Wellness Competency:** Develop Physical Activity and Fitness Managers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition.
- **Social, Emotional and Cognitive Wellness:** Develop Physical Activity and Fitness Managers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others.
- **Physical Activity Management in Community and Commercial Settings:** Prepare Physical Activity and Fitness Managers to coordinate and lead comprehensive wellness programs that promote health literacy and physical activity in Community and Commercial Settings.
- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities.

Related Links

Health and Physical Education - Physical Activity and Fitness Management, BSED / Pre-Athletic Training (SRU) (Traditional) Program Page (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/physical-and-health-education/undergraduate-programs/>)

Physical Activity and Fitness Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PAFM-FS.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		44
Other Basic Requirements		0-3
Major/Concentration Requirements		61
Electives		16

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Must choose a Thematic Thread with at least 2 AT Prerequisite classes including PSYC 105		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 202	Technology for Wellness ¹	3
PHED 231	Strategies for Teaching Physical Activity ¹	3
PHED 331	Evidence-Based Physical Activity ¹	3
PHED 332	Administration and Management of Physical Activity ¹	3
PHED 450	Internship ¹	6
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3
Subtotal		24
Fitness/Health Courses		
BIOL 309	Human Anatomy and Physiology II	4
PHED 242	Physical Health and Fitness Education ¹	3
PHED 268	Contemporary Topics in Health ¹	3
PHED 335	Science of the Mind-Body Connection ¹	3
Subtotal		13
Blocks		
Complete the following blocks as a Traditional Pre-AT Student		
<i>Block D: Coaching Education</i>		12
PHED 237	Emergency Medical Response	
PHED 270	Psychological and Sociological Bases of Sport ¹	
PHED 306	Conditioning for Athletic Performance ¹	
PHED 369	Philosophy and Psychology of Coaching ¹	
<i>Block E: Fitness</i>		12
PHED 238	Applied Principles of Exercise ¹	
PHED 378	Teaching and Leading of Strength and Resistance Training	
PHED 393	Nutrition for Physical Activity, Exercise, and Health	

RCTH 364	Biomechanics of Individuals with Disabilities	
Subtotal		24
Total Hours		61

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL ATHLETIC TRAINING PREREQUISITE COURSES

Code	Title	Hours
Select one of the following:		3
EXER 250	Medical Terminology	
HCAM 250	Medical Terminology for Healthcare Administrators	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3-4
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
CHEM 104	Introduction Chemistry I	3
Subtotal		9-10

Athletic Training Graduate Program (Master of Science in Athletic Training)

Prerequisite Admission Requirements

For Application Requirements:

Please refer to Slippery Rock University's Athletic Training Graduate Program. (Master of Science in Athletic Training) website for requirements: www.sru.edu/AT (<http://www.sru.edu/AT/>)

Code	Title	Hours
Prerequisite Courses - SRU Athletic Training Graduate Program:		
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
EXER 201	Exercise Physiology with Lab	3
or PHED 238	Applied Principles of Exercise	
EXER 202	Biomechanics with Lab	3
or RCTH 364	Biomechanics of Individuals with Disabilities	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
EXER 424	Nutrition and Exercise	3
or PHED 393	Nutrition for Physical Activity, Exercise, and Health	
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3

STAT 152	Elementary Statistics I	3
Total Hours		36

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Career education and development
6. Internship
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Health and Physical Education - BSED (1158)

Concentration in Physical Activity and Fitness Management (PAFM)

Pre-Athletic Training 3+2 (11AT)

This program is effective as of Summer 2022

Revised 09.17.2025

UCC 04.19.2022

Course	Title	Hours
First Year		
Fall		
PHED 131	Foundations of Leadership in Physical Activity	3
ESAP 101	FYRST Seminar	1
ENGL 102	Critical Writing	3
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3
SUBJ 139	University Seminar	3
Hours		17
Spring		
PHED 231	Strategies for Teaching Physical Activity	3
PHED 242	Physical Health and Fitness Education	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15

Second Year

Fall

PHED 238	Applied Principles of Exercise	3
PHED 268	Contemporary Topics in Health	3
PHED 270	Psychological and Sociological Bases of Sport	3
BIOL 209	Human Anatomy and Physiology I	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16

Spring

RCTH 364	Biomechanics of Individuals with Disabilities	3
PHED 369	Philosophy and Psychology of Coaching	3
EXER 250	Medical Terminology	3
BIOL 309	Human Anatomy and Physiology II	4
Humanities Inquiry (p. 19)		3
Hours		16

Third Year

Fall

PHED 202	Technology for Wellness	3
PHED 331	Evidence-Based Physical Activity	3
PHED 378	Teaching and Leading of Strength and Resistance Training	3
CHEM 104	Introduction Chemistry I	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		18

Spring

PHED 237	Emergency Medical Response	3
PHED 306	Conditioning for Athletic Performance	3
PHED 335	Science of the Mind-Body Connection	3
PHED 393	Nutrition for Physical Activity, Exercise, and Health	3
Thematic Thread Requirement (p. 19)		3
Hours		15

Fourth Year

Fall

PHED 332	Administration and Management of Physical Activity	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
Thematic Thread Requirement (p. 19)		3
Elective ¹		5
Hours		17

Spring

PHED 450	Internship	6-12
Hours		6-12
Total Hours**		120-126

¹ Students can take additional credits in PHED 450 or elective coursework to meet the 120 credit hour minimum.

Revised 09.23.2025

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Occupational Therapy (SRU) (3+3)

The Physical Education - Physical Activity and Fitness Management concentration will prepare professionals to plan, implement, and evaluate physical activity programs in corporate, community, and non-profit settings. The physical activity and fitness management concentration has intellectual value in academia while addressing emerging regional and national employment trends, student interests and preferences, and community need. The uniqueness of this concentration centers around a personal preparation core combined with students preferred choice of two of five well-established and emerging specialty areas.

The proposed Health & Physical Education (HPE)/Physical Activity & Fitness Management Pre-Occupational Therapy 3+3 (PAFM Pre- OT 3+3) program is designed to give students an opportunity to enrich their undergraduate education with an intensive program in PAFM and facilitate their entry into the Doctor of Occupational Therapy (OT) at SRU. The course work is tailored to meet the needs of the student both as an HPE/PAFM major and to prepare them for a Doctor of Occupational Therapy program.

PROGRAM LEARNING OUTCOMES

- **Instructional Excellence:** Develop Physical Activity and Fitness Managers who educate and empower individuals to lead active healthy lifestyles. (SRU 1, 2, 3)
- **Physical Health and Wellness Competency:** Develop Physical Activity and Fitness Managers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition. (SRU 1, 2, 3)
- **Social, Emotional and Cognitive Wellness:** Develop Physical Activity and Fitness Managers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others. (SRU 5, 8)
- **Physical Activity Management in Community and Commercial Settings:** Prepare Physical Activity and Fitness Managers to coordinate and lead comprehensive wellness programs that promote health literacy and physical activity in Community and Commercial Settings. (SRU 7,9)
- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities. (SRU 7, 9)

RELATED LINKS

Health and Physical Education - Physical Activity and Fitness Management, BSED / Pre-Occupational Therapy (SRU) (3+3) Program Pag (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/physical-and-health-education/undergraduate-programs/>)e

Physical Activity and Fitness Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PAFM-FS.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – HEALTH & PHYSICAL EDUCATION

1st Major: Health & Physical Education

- Overall GPA: 2.00 or higher

2nd Major: Pre-OT SRU 3+3 Health & Physical Education

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	43
	Other Basic Requirements	0-3
	Major Requirements	55
	Electives	22

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

BIOL 209 Human Anatomy and Physiology I 4

Physical Science Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 16

Thematic Thread

Must choose a Thematic Thread with at least 2 OT Prerequisite classes including PSYC 105

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ^{2,3} 12

Total Hours 43

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Occupational Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Occupational Therapy SRU 3+3 Health & Physical Education - Physical Activity & Fitness Management (HPE-PAFM) and are not accepted into the OTD program, then additional coursework is required to complete a first major in Health & Physical Education - Physical Activity in Fitness Management. Please refer to the curriculum guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 202	Technology for Wellness ¹	3
PHED 231	Strategies for Teaching Physical Activity ¹	3

PHED 331	Evidence-Based Physical Activity ¹	3
PHED 332	Administration and Management of Physical Activity ¹	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3
Subtotal		18

Required Fitness/Health Coursework

Must earn a "C" or better in the following courses

PHED 242	Physical Health and Fitness Education ¹	3
PHED 268	Contemporary Topics in Health ¹	3
PHED 335	Science of the Mind-Body Connection ¹	3
BIOL 309	Human Anatomy and Physiology II	4
Subtotal		13

Blocks

Select two of the following blocks	24

Block A: Adapted Physical Activity

PHED 227	Introduction to Adapted Physical Activity
PHED 353	Adapted Physical Activity and Health Through the Lifespan
PHED 460	Program Design in Adapted Physical Activity

Select 3 credits from the following:

PHED 262	Adapted Aquatics ¹
PHED 266	Disability Sport in the 21st Century: A Global Perspective ¹

Block B: Aquatics

PHED 107	Aquatic Fundamentals
PHED 348	Aquatic Leadership
PHED 446	Water Safety Instruction

Select 4 credits from the following:

PHED 123	Stand-Up Paddle Boarding
PHED 189	Basic Canoeing
PHED 236	Introduction to Kayaking
PHED 237	Emergency Medical Response
PHED 262	Adapted Aquatics
PHED 363	Lifeguarding Instructor
PHED 345	Teaching and Coaching of Water Polo
PHED 349	Skin and Scuba Diving
PHED 363	Lifeguarding Instructor

Block C: Outdoor Adventure Fitness

PHED 241	Outdoor Pursuits
PHED 334	Applied Methodologies in Adventure

Select 6 credits from the following:

PHED 123	Stand-Up Paddle Boarding
PHED 125	Bicycling
PHED 182	Introduction to Rock Climbing
PHED 186	Cross Country Skiing and Snowshoeing
PHED 236	Introduction to Kayaking
PHED 272	Enhancing Fitness through Running and Walking
PHED 276	Skate-Based Action Sports
PHED 349	Skin and Scuba Diving

Block D: Coaching Education

PHED 270	Psychological and Sociological Bases of Sport
PHED 306	Conditioning for Athletic Performance
PHED 369	Philosophy and Psychology of Coaching
Select 3 credits from the following:	
PHED 230	Teaching and Coaching of Track & Field
PHED 237	Emergency Medical Response
PHED 238	Applied Principles of Exercise
PHED 266	Disability Sport in the 21st Century: A Global Perspective
PHED 301	Sports Officiating
PHED 338	Teaching and Leading Group Exercise
PHED 356	Net/Wall Activities and Games
PHED 358	Lifetime/Leisure Activities and Games
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 393	Nutrition for Physical Activity, Exercise, and Health

Block E: Fitness

PHED 238	Applied Principles of Exercise
PHED 393	Nutrition for Physical Activity, Exercise, and Health
RCTH 364	Biomechanics of Individuals with Disabilities

Select 6 credits from the following:

PHED 338	Teaching and Leading Group Exercise
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 379	Fitness Management

Total Hours 55

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
INDP 106	Race and Ethnic Diversity in the USA	3
or INDP 108	Introduction to Anthropology	
or INDP 310	Cultural Area Studies	
or INDP 321	Minority Groups	
or SOWK 105	Human Diversity	
INDP 318	Research Methods in Interdisciplinary Studies	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3

PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		18

¹ Select one course. See *My Rock Audit* for specific courses.

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements – Pre-Occupational Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Anthropology or Sociology ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Total Hours		33

Pre-Occupational Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Occupational Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Occupational Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Occupational Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Occupational Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Occupational Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH & PHYSICAL EDUCATION - PHYSICAL ACTIVITY & FITNESS
MANAGEMENT BSD (1158/PAFM)

PRE-OT SRU 3+3 (110T)

This program is effective as of Summer 2022

Revised 07.09.2025

UCC 02.28.2023

Course	Title	Hours
First Year		
Fall		
PHED 131	Foundations of Leadership in Physical Activity	3
PHED 268	Contemporary Topics in Health	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery	3
ENGL 102	Critical Writing	3
PSYC 105	Introduction to Psychology (Thematic Thread Requirement))	3
Hours		16
Spring		
PHED 231	Strategies for Teaching Physical Activity	3
PHED 242	Physical Health and Fitness Education	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Specialty Area 1-1		3
	Hours	18
Second Year		
Fall		
PHED 202	Technology for Wellness	3
Specialty Area 1-2		3
PSYC 244	Developmental Psychology (Thematic Thread Option)	3
BIOL 209	Human Anatomy and Physiology I	4
SCI 102	Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
	Hours	19
Spring		
RCTH 364	Biomechanics of Individuals with Disabilities (Specialty Area 1-3)	3
Specialty Area 2-1		3
EXER 250	Medical Terminology (Thematic Thread Option)	3
BIOL 309	Human Anatomy and Physiology II	4
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
	Hours	19
Third Year		
Fall		
PHED 331	Evidence-Based Physical Activity	3
PHED 332	Administration and Management of Physical Activity	3
Specialty Area 1-4		3
Specialty Area 2-2		3
Specialty Area 2-3		3
INDP 104 or INDP 108	Principles of Sociology (Thematic Thread Option) or Introduction to Anthropology	3
	Hours	18
Spring		
PHED 335	Science of the Mind-Body Connection	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
Specialty Area 2-4		3
INDP 318	Research Methods in Interdisciplinary Studies	3
PSYC 276	Introduction to Abnormal Psychology	3
Social Science Inquiry (p. 19)		3
	Hours	18
	Total Hours**	108

* Students are encouraged to take ESAP 101 as a Free Elective.

Revised 10.05.2023

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in Physical Activity and Fitness Management / Pre-Occupational Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Instructional Excellence:** Develop Physical Activity and Fitness Managers who educate and empower individuals to lead active healthy lifestyles.
- **Physical Health and Wellness Competency:** Develop Physical Activity and Fitness Managers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition.
- **Social, Emotional and Cognitive Wellness:** Develop Physical Activity and Fitness Managers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others.
- **Physical Activity Management in Community and Commercial Settings:** Prepare Physical Activity and Fitness Managers to coordinate and lead comprehensive wellness programs that promote health literacy and physical activity in Community and Commercial Settings.
- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities.

RELATED LINKS

- Health and Physical Education - Physical Activity and Fitness Management, BSED / Pre-Occupational Therapy (SRU) (Traditional) Program Pag (<https://www.sru.edu/academics/colleges-and-departments/coe/departments/physical-and-health-education/undergraduate-programs/e>)
- Physical Activity and Fitness Management Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PAFM-FS.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	43
	Other Basic Requirements	0-3
	Major Requirements	61
	Electives	16

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this

is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		16
Thematic Thread		
Must choose a Thematic Thread with at least 2 OT Prerequisite classes including PSYC 105		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		43

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Occupational Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
PHED 131	Foundations of Leadership in Physical Activity ¹	3
PHED 202	Technology for Wellness ¹	3
PHED 231	Strategies for Teaching Physical Activity ¹	3
PHED 331	Evidence-Based Physical Activity ¹	3
PHED 332	Administration and Management of Physical Activity ¹	3
PHED 450	Internship	6
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3
Subtotal		24
Required Fitness/Health Coursework		
Must earn a "C" or better in the following courses		
BIOL 309	Human Anatomy and Physiology II	4
PHED 242	Physical Health and Fitness Education ¹	3
PHED 268	Contemporary Topics in Health ¹	3
PHED 335	Science of the Mind-Body Connection ¹	3
Subtotal		13
Blocks		
Select two of the following blocks:		
<i>Block A: Adapted Physical Activity</i>		
PHED 227	Introduction to Adapted Physical Activity	
PHED 353	Adapted Physical Activity and Health Through the Lifespan	
PHED 460	Program Design in Adapted Physical Activity	
Select 3 credits from the following:		
PHED 262	Adapted Aquatics	
PHED 266	Disability Sport in the 21st Century: A Global Perspective	
<i>Block B: Aquatics</i>		
PHED 107	Aquatic Fundamentals	
PHED 348	Aquatic Leadership	
PHED 446	Water Safety Instruction	
Select 4 credits from the following:		
PHED 123	Stand-Up Paddle Boarding	

PHED 189	Basic Canoeing
PHED 236	Introduction to Kayaking
PHED 237	Emergency Medical Response
PHED 262	Adapted Aquatics
PHED 363	Lifeguarding Instructor
PHED 345	Teaching and Coaching of Water Polo
PHED 349	Skin and Scuba Diving
PHED 363	Lifeguarding Instructor

Block C: Outdoor Adventure Fitness

PHED 241	Outdoor Pursuits
PHED 334	Applied Methodologies in Adventure
Select 6 credits from the following:	
PHED 123	Stand-Up Paddle Boarding
PHED 125	Bicycling
PHED 182	Introduction to Rock Climbing
PHED 186	Cross Country Skiing and Snowshoeing
PHED 236	Introduction to Kayaking
PHED 272	Enhancing Fitness through Running and Walking
PHED 276	Skate-Based Action Sports
PHED 349	Skin and Scuba Diving

Block D: Coaching Education 12

PHED 237	Emergency Medical Response
PHED 270	Psychological and Sociological Bases of Sport
PHED 306	Conditioning for Athletic Performance
PHED 369	Philosophy and Psychology of Coaching

Block E: Fitness 12

PHED 238	Applied Principles of Exercise
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 393	Nutrition for Physical Activity, Exercise, and Health
RCTH 364	Biomechanics of Individuals with Disabilities

Total Hours 61

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	

Total Hours 33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Health & Physical Education - Physical Activity & Fitness Management BS (1158/PAFM)

Pre-OT SRU Traditional

This program is effective as of Summer 2022

Revised 09.18.2025

UCC 04.19.2022

Course	Title	Hours
First Year		
Fall		
PHED 131	Foundations of Leadership in Physical Activity	3
PHED 268	Contemporary Topics in Health	3
ESAP 101	FYRST Seminar	1
SUBJ 139	University Seminar	3
ENGL 102	Critical Writing	3
PSYC 105	Introduction to Psychology	3
Hours		16
Spring		
PHED 231	Strategies for Teaching Physical Activity	3
PHED 242	Physical Health and Fitness Education	3
ENGL 102	Critical Writing	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
SCI 102	Understanding the Physical World	3
Specialty Area 1-1		3
PSYC 244	Developmental Psychology	3
BIOL 209	Human Anatomy and Physiology I	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
RCTH 364	Biomechanics of Individuals with Disabilities (Specialty Area 2-1)	3
Specialty Area 1-2		3
EXER 250	Medical Terminology	3
BIOL 309	Human Anatomy and Physiology II	4
Humanities Inquiry (p. 19)		3
Hours		16
Third Year		
Fall		
PHED 202	Technology for Wellness	3
PHED 331	Evidence-Based Physical Activity	3
Specialty Area 1-3		3
INDP 318	Research Methods in Interdisciplinary Studies	3

INDP 104 or INDP 108	Principles of Sociology or Introduction to Anthropology	3
Social Science Inquiry (p. 19)		3
Hours		18
Spring		
PHED 335	Science of the Mind-Body Connection	3
Specialty Area 1-4		3
Specialty Area 2-2		3
PSYC 276	Introduction to Abnormal Psychology	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
PHED 332	Administration and Management of Physical Activity	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
Specialty Area 2-3		3
Specialty Area 2-4		3
Thematic Thread Requirement (p. 19)		3
Electives ¹		3
Hours		18
Spring		
PHED 450	Internship ¹	6-12
Hours		6-12
Total Hours**		120-126

¹ Students can take additional credits in PE 450 (<https://catalog.sru.edu/search/?P=PE%20450>) or elective coursework to meet the 120 credit hour minimum.

Health & Physical Education - Physical Activity & Fitness Management BS (1158/PAFM)

Pre-OT SRU Traditional

Revised 09.23.2025

Health and Physical Education, Bachelor of Science in Education (BSED) - Concentration in School Wellness Education

Slippery Rock University's Health and Physical Teacher Education program prepares you to help students maintain healthy lifestyles both at school and outside the classroom. Do you want to inspire young people to learn healthy habits that decrease their chances of long-term health problems? Are you passionate about motivating children to start lifelong behaviors that lead them to healthy futures? Look no further than SRU's School Wellness Education concentration.

Majors in this program are awarded a Bachelor's in Education with a major in Health and Physical Education and a concentration in School Wellness. An educator with this degree can make all the difference in students' lives, as today's K-12 children are spending less time outside and are living increasingly sedentary lifestyles.

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

Program Learning Outcomes

- **Excellent Teaching:** Develop teachers who educate and empower individuals to lead active healthy lifestyles. (UWO 1, 9).
- **Physical Health and Wellness:** Develop teachers who prepare individuals for an active lifestyle through purposeful movement and healthy nutrition. (UWO 2, 5).
- **Social, Emotional and Cognitive Wellness:** Develop teachers who prepare individuals with strategies to improve cognition, manage stress and positively interact with others. (UWO 6, 8).
- **School to Community Health and Wellness:** Prepare teachers to coordinate and lead comprehensive wellness programs that promote health literacy and physical activity. (UWO 7).
- **Professional Advocate and Leader:** Develop professionals who model and value health and advocate for quality health and wellness in schools and communities. (UWO 7, 2).

Related Links

Health and Physical Education - School Wellness Education, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/health-and-physical-teacher-education-school-wellness-education/>)

School Wellness Education Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/phe-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a qualifying passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	84-87
	Electives	3

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
CDEV 248	Human Development and Education	3
STAT 152	Elementary Statistics I	3
Select one of the following		3
SEFE 326	ELL Strategies and Practice	
CIEL 326	Teaching Multi Language Learners	
SEFE 342	Educational Psychology for Diverse Learners	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² From at least 3 categories; no more than 6 credits from one department; 6 credits must be 300-level or above.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 42 major credits must be taken at SRU or PASSHE
- 42 major credits must be taken at the 300 level or above
- Six (6) Credits of Math (113 or higher) Required Prior to Admission to Teacher Candidacy: Math Requirement for BS in Education and Human Development requirements must be taken as part of, or in addition to rock studies 2/thematic thread for degree completion.
 - STAT 152
 - MATH 113, MATH 115, MATH 117, MATH 118, MATH 122, MATH 123, MATH 125, MATH 131, MATH 210, MATH 225
 - CDEV 248

Code	Title	Hours
Pillar #1 – Teaching Excellence		
PHED 152	Principles of School Wellness I ^{1,2}	3
PHED 253	Principles of School Wellness II ^{1,2}	3
PHED 452	Elementary Strategies for School Wellness	6
PHED 462	Secondary Strategies in School Wellness ^{1,2}	6
Subtotal		18
Pillar #2 – Physical Health & Wellness		
PHED 107	Aquatic Fundamentals ¹	3
PHED 310	Elementary School Wellness Skills and Fitness Activities ^{1,2}	3
PHED 311	Middle School Wellness Skills and Fitness Activities ^{1,2}	3
PHED 312	Secondary School Wellness Skills and Fitness Activities ^{1,2}	3
PHED 328	School Nutrition and Wellness ^{1,2}	3
PHED 383	Motor Development and Learning ¹	3
Subtotal		18
Pillar #3 – Social & Emotional Health & Wellness		
PHED 241	Outdoor Pursuits ¹	3
PHED 258	Social & Emotional Wellness ¹	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab ¹	3
SEFE 326	ELL Strategies and Practice ¹	3
SEFE 342	Educational Psychology for Diverse Learners ¹	3
Subtotal		15
Pillar #4 – School to Community Health & Wellness		
PHED 191	Foundations of School Wellness ¹	3
PHED 227	Introduction to Adapted Physical Activity ¹	3
PHED 243	Educational Movement in Health & Wellness ¹	3
PHED 268	Contemporary Topics in Health ¹	3
Subtotal		12
Pillar #5 – Professional Advocacy & Leadership in Health & Wellness		
PHED 202	Technology for Wellness ¹	3
PHED 472	School Wellness Assessment and Promotion ^{1,2}	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity ¹	3

PHED 455	Student Teaching - Physical Education ^{1,2}	12
Subtotal		21
First Aid Competency		
Select one of the following:		0-3
CPR and First Aid & Safety Certifications		
SFMG 205	First Aid and Safety	
Total Hours		84-87

¹ Course counts for 50% of Major, but not for Major GPA

² Course must be taken in sequence within block and a 'C' or better is required. Course required for Acceptance into Teacher Candidacy.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Recommended Electives

Code	Title	Hours
PHED 115	Yoga and Well-Being	3
PHED 334	Applied Methodologies in Adventure	3
PHED 338	Teaching and Leading Group Exercise	3
PHED 378	Teaching and Leading of Strength and Resistance Training	3
PHED 446	Water Safety Instruction	3
HLTH 316	Human Sexuality	3

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Career education and development
6. Internship
7. Volunteering

Important Information

Prerequisites for Admission to Teacher Candidacy

Code	Title	Hours
Basic Courses		
PHED 152	Principles of School Wellness I	3
ENGL 102	Critical Writing	3
Select one of the following:		3
ENGL 104	Critical Reading	
ENGL 220	Introduction to Literary and Cultural Studies	
Math Requirement		
Select six credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	

MATH 122	Finite Mathematics with Matrices
MATH 123	Introduction to Applied Calculus
MATH 125	Precalculus
MATH 131	Discrete Mathematics
MATH 210	Mathematics for Elementary Teachers I
MATH 225	Calculus I
MATH 230	Calculus II
MATH 235	Foundations of Mathematical Proof
MATH 310	Mathematics for Elementary Teachers II
STAT 152	Elementary Statistics I
STAT 252	Introduction to Statistical Modeling

Total Hours15

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Health & Physical Education (BSED) (1158)
Concentration in School Wellness Educ. (SWED)
This program is effective as of Fall 2024
Revised 09.03.2025
UCC 04.01.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PHED 107	Aquatic Fundamentals ¹	3
PHED 191	Foundations of School Wellness	3
ENGL 102	Critical Writing ¹	3
MATH 117	Quantitative Reasoning	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar [*]	1
Hours		16
Spring		
PHED 152	Principles of School Wellness I ¹	3
PHED 227	Introduction to Adapted Physical Activity	3
ENGL 104	Critical Reading ¹	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15

Second Year		
Fall		
PHED 202	Technology for Wellness	3
PHED 268	Contemporary Topics in Health	3
PHED 383	Motor Development and Learning	3
CDEV 248	Human Development and Education	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Minor Coursework		0-3
Hours		18-21
Spring		
Apply to Teacher Candidacy (48 credit hours)		
PHED 243	Educational Movement in Health & Wellness	3
PHED 258	Social & Emotional Wellness	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Minor Coursework		0-3
Hours		15-18
Third Year		
Fall		
Accepted to Teacher Candidacy		
PHED 241	Outdoor Pursuits	3
PHED 253	Principles of School Wellness II	3
PHED 310	Elementary School Wellness Skills and Fitness Activities	3
PHED 328	School Nutrition and Wellness	3
SEFE 326	ELL Strategies and Practice	3
SCI 102	Understanding the Physical World	3
Hours		18
Spring		
PHED 311	Middle School Wellness Skills and Fitness Activities	3
PHED 312	Secondary School Wellness Skills and Fitness Activities	3
PHED 452	Elementary Strategies for School Wellness	6
SEFE 342	Educational Psychology for Diverse Learners	3
Minor Coursework		0-3
Hours		15-18
Fourth Year		
Fall		
PHED 462	Secondary Strategies in School Wellness	6
PHED 472	School Wellness Assessment and Promotion	3
PHED 473	Professionalism, Advocacy and Leadership in Physical Activity	3
Minor Coursework		0-3
Hours		12-15

Spring

PHED 455	Student Teaching - Physical Education	12
Hours		12
Total Hours**		121-133

¹ Course requires a grade of C or better

² Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

! Either through elective courses, or on their own, students are required to obtain CPR/First Aid Instructor Certification prior to graduation.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1158

Concentration Code: SWED

Revised 09.23.2025

Living Well, Certificate

The Living Well certificate will provide the opportunity for students at Slippery Rock University to gain knowledge in how and why to live a healthy and active life. The importance of individuals engaging in healthy lifestyles along with the consequences of those who do not has been documented in the past five years. Students will understand the impact these consequences at both individual and societal levels.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Living Well, Certificate Program Page (<https://www.sru.edu/academics/certificates/living-well-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
EXER 230	Stress Management	3
HLTH 314	Nutrition and Health	3
PHED 342	Wellness through Movement	3
PHED 430	Living Well	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN LIVING WELL (1157) / CIM 275

This program is effective as of Fall 2016.

Revised: 09.18.2025

Physical Education - Coaching, Minor

Great coaches bring out the best in their athletes. Whether it's perfecting a technique or learning good sportsmanship, coaches lead their team to victories on and off the field. The minor in Coaching at SRU prepares coaches to make ethical decisions related to development, implementation, and evaluation of athletic experiences.

WHY CHOOSE COACHING?

If you have a passion for sports, a knack for connecting with others, and the spark to lead, the minor in Coaching will prepare you for an exciting career. As organized sports continue to grow, the need for qualified and competent coaches is rising. When you minor in Coaching at SRU, you'll gain the skills you need to provide the best experience and opportunities for athletes of all ages and levels.

WHAT WILL YOU LEARN?

You will be prepared to coach athletes of all ages with the skills you gain through this minor. Courses in the philosophy and psychology of coaching, psychological and sociological bases of sport, motor development and learning, and sports officiating will give you the fundamentals you will need to be an effective coach.

You will also complete three practicum experiences where you will have hands-on experience working with three different athletic teams of their choice. Opportunities range from coaching at local YMCAs, youth and community sports, high school teams, college programs, and even adult leagues. You can gain experience beyond traditional team sports like baseball, softball, basketball, football, and soccer. Options also include rugby, deck hockey, ice hockey, tennis, wrestling and gymnastics, to name a few. Your practicum experiences can be individually structured based on your interests and experiences.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Coaching Minor Required Courses		
PHED 270	Psychological and Sociological Bases of Sport	3
PHED 301	Sports Officiating	3
PHED 369	Philosophy and Psychology of Coaching	3
PHED 378	Teaching and Leading of Strength and Resistance Training	3
PHED 306	Conditioning for Athletic Performance	3
Required Practicum Experience		
PHED 266	Disability Sport in the 21st Century: A Global Perspective ¹	3
Total Hours		18

¹ Must be taken three times

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN COACHING (61E)

This program is effective as of Fall 2018.

Revised: 09.18.2025

Wellness, Minor

The Wellness Minor is a testament of your determination to live a healthy lifestyle full of energy with minimal illness or disease. Rather than following the newest trending health fad or product, we choose a global perspective from the world's healthiest people. The courses in this certificate will help broaden your perspective, manage your stress, enhance your mood, and improve every part of your health. Your wellbeing is paramount to achieving your maximum potential, so get started toward a 'new' you now.

WHY CHOOSE THIS WELLNESS MINOR?

How long do you want to live? The average life expectancy of a United States citizen is 78 years, or about 4000 weeks, but people from the healthiest places on earth easily live into their 100s, virtually disease-free. While many Americans may live to the age of 78, they often suffer

from preventable diseases for decades, which often begin in their 40s and 50s. In this context, perhaps a better question to ask is "How well do you want to live?"

The Wellness Minor is designed to help you become a better version of yourself by uncovering truths about wellness so you can lead a life of the highest quality.

Still need another reason? This minor will make you more attractive to employers. When you have a high level of wellness, you take fewer sick days, you have more energy, and you are an asset to your organization. Every employer wants someone with high energy, has their life under control, and who is happy and productive. This minor sets you apart from everyone else by showing that you are dedicated to being your best.

WHAT WILL YOU LEARN?

You learn through doing. You learn how to manage stress, how to choose healthy nutritious foods, and how physical activity improves your wellness. The capstone class, Living Well, links the many aspects of wellness together through application so you can achieve your best self. The world of wellness will continue to grow and expand as we learn more about health and our physiology. Remember, wellness encompasses nearly every aspect of living and there is almost no limit to how this certificate will improve your wellbeing and expand your career opportunities.

CAREER OPPORTUNITIES

After taking one or more of these classes, many students have been inspired to incorporate wellbeing in their future career and help others raise their level of health. The breadth of wellness covers fields such as physical, environmental, emotional, spiritual, intellectual, occupational, financial, and social wellness. The opportunities are vast and growing. Adding this minor to your SRU degree is an investment in your greatest asset- you.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Physical Wellness Requirement		
Select one of the following:		3
PHED 238	Applied Principles of Exercise	
PHED 306	Conditioning for Athletic Performance	
PHED 310	Elementary School Wellness Skills and Fitness Activities	

or PHED 311	Middle School Wellness Skills and Fitness Activities
or PHED 312	Secondary School Wellness Skills and Fitness Activities
PHED 338	Teaching and Leading Group Exercise
PHED 342	Wellness through Movement
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 393	Nutrition for Physical Activity, Exercise, and Health
HLTH 203	Public Health and Physical Activity
Additional Wellness Category Requirements:	
<i>Select 4 courses from four separate categories:</i>	
Physical Wellness	
PHED 238	Applied Principles of Exercise
PHED 306	Conditioning for Athletic Performance
PHED 338	Teaching and Leading Group Exercise
PHED 342	Wellness through Movement
PHED 378	Teaching and Leading of Strength and Resistance Training
PHED 393	Nutrition for Physical Activity, Exercise, and Health
PHED 310	Elementary School Wellness Skills and Fitness Activities
or PHED 311	Middle School Wellness Skills and Fitness Activities
or PHED 312	Secondary School Wellness Skills and Fitness Activities
HLTH 203	Public Health and Physical Activity
Intellectual Wellness	
PHED 335	Science of the Mind-Body Connection
EXER 230	Stress Management
LEAD 315	Mindfulness and Brain
Social/Emotional Wellness	
PHED 168	Physical Activity and Wellbeing in Society
PHED 258	Social & Emotional Wellness
HLTH 101	Personal Health
MUSI 204	Art and Science of Performing
Spiritual Wellness	
PHED 115	Yoga and Well-Being
PHED 133	Tai Chi Chuan: Chinese Classical Exercise
LEAD 315	Mindfulness and Brain
PHIL 140	World Religions
Environmental Wellness	
GES 135	Introduction to Environmental Problems
GES 215	Planning for Sustainable Communities
EVGE 100	Environmental Geology
BIOL 105	Environmental Biology
or ECON 315	Economics of Sustainable Development
Financial Wellness	
FINA 200	Personal Financial Planning
FINA 341	Entrepreneurial Finance
Occupational Wellness	
PHED 379	Fitness Management

DANC 101	Wellness for Dancers
MUSI 203	Musician's Health
Capstone Course Requirement	
PHED 430	Living Well
Total Hours	
18	

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN WELLNESS (61G)

This program is effective as of Summer 2021

Revised 09.18.2025

UCC 04.13.2021

Secondary Education/Foundations of Education

Programs

Majors

- Middle-Level English/Language Arts (4-8), Bachelor of Science in Education (BSED) (p. 150)
- Middle-Level Math (4-8), Bachelor of Science in Education (BSED) (p. 153)
- Middle-Level Science (4-8), Bachelor of Science in Education (BSED) (p. 157)
- Middle-Level Social Studies (4-8), Bachelor of Science in Education (BSED) (p. 160)
- Secondary Education - English (7-12), Bachelor of Science in Education (BSED) (p. 163)
- Secondary Education - Social Studies - History (7-12), Bachelor of Science in Education (BSED) (p. 167)
- Secondary Education - Spanish (K-12), Bachelor of Science in Education (BSED) (p. 170)

Minors

- Middle Level Education, Minor (p. 149)

Middle Level Education, Minor

The Middle Level Education Minor prepares preservice teachers for the instruction of students in grades 4-8.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Young Adolescent Cognition		
CDEV 248	Human Development and Education	3
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 285	Integrating Creative Expression through the Arts	3
Middle Level Pedagogy		
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Select one of the following:		3
SEFE 522	Teaching of Middle Level and Secondary Social Studies and the Engl Language Arts for the Humanities	
SEFE 576	Teaching Integrated Science and Mathematics for Middle and Secondary Education	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Middle Level Education (15A) / CIM 291
This program is effective as of Summer 2024

Revised 02.17.2026
UCC 01.27.2026

Middle-Level English/Language Arts (4-8), Bachelor of Science in Education (BSED)

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

PROGRAM LEARNING OUTCOMES

The Learner and Learning - Young Adolescent Development (SRU UG 2, 3, 5, 9)

Middle Level Curriculum (SRU UG 2, 9)

Middle Level Philosophy and School Organization (SRU UG 5, 7, 8, 9)

Middle Level Instruction and Assessment (SRU UG 1, 2, 4, 6, 8, 10)

Middle Level Professional Roles (SRU UG 4, 5, 7, 8, 9)

Degree Program Writing Competency (SRU UG 1)

Related Links

Middle-Level Education - English/Language Arts, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/middle-level-education-english-and-language-arts/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		79

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
HIST 180	Spotlight on the Past	3
<i>Social Science Inquiry</i>		
POLI 101	American National Government	3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
COMM 217	Intercultural Communication	3
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
SPED 121	Overview of Special Education	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above
- All grades in Professional Education & Specialization must be grades of "C" or above.

Code	Title	Hours
Middle Level Education		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 326	ELL Strategies and Practice	3
or CIEL 326	Teaching Multi Language Learners	
Choose one from the following:		3
SEFE 337	Teaching Middle Level Language Arts	
SEFE 522	Teaching of Middle Level and Secondary Social Studies and the Engl Language Arts for the Humanities	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Select one		12
SEFE 456	Student Teaching - Middle Level Grades ^{1,2}	
CIEL 455	Student Teaching: Elementary or Secondary School ^{1,2}	
SPED 121	Overview of Special Education ³	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms ²	3
Subtotal		49
English Certification Specialization		
ENGL 102	Critical Writing ³	3
ENGL 104	Critical Reading ³	3
COMM 217	Intercultural Communication ³	3
<i>Required Courses</i>		
COMM 263	Media and Society (Required)	3
ENGL 305	Practicum: Teaching Writing (Required)	3
ENGL 328	Young Adult Literature (Required)	3
Select four of the following classes:		12
ENGL 230	Introduction to Linguistics and Grammar	
or ENGL 331	Historical Development of the English Language	
ENGL 312	Introduction to Shakespeare	
ENGL 317	British Literature I	
or ENGL 318	British Literature II	
ENGL 319	American Literature I	
or ENGL 320	American Literature II	

Choose one of the following:	
ENGL 242	African-American Literature
ENGL 243	Literature of the Women's Movement
ENGL 244	Native American Literature
ENGL 246	U.S. Latino/a Literatures
ENGL 248	Asian Literature
ENGL 300	Queer Literature and Film
ENGL 402	World Literature
Subtotal	30
Total Hours	79

¹ Course counts for Major requirements but not for Major GPA

² SPED 315 & SEFE 456 or CIEL 455 must be taken in the same semester.

³ Credits earned in these courses will be applied to Rock Studies 2.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Grades 4-6 Core Content Areas

- To meet the English Language Arts 12 credit Pennsylvania Department of Education requirements, students must complete SEFE 251 – Teaching Reading in the Content Areas Grades 4-8 if they have not completed ENGL 102.

Code	Title	Hours
Social Studies		
HIST 180	Spotlight on the Past ¹	3
POLI 101	American National Government ¹	3
Select one		3
SEFE 380	History and Philosophy of Education ²	
CIEL 348	Educational Leadership, Advocacy & Program Development ²	
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
Math		
MATH 118	Elementary Geometry	3
MATH 210	Mathematics for Elementary Teachers I ¹	3
MATH 310	Mathematics for Elementary Teachers II ¹	3
STAT 152	Elementary Statistics I ¹	3
Science		
SCI 101	Science of Life ¹	3
SCI 102	Understanding the Physical World ¹	3
Select two of the following classes from different departments:		6
BIOL 101	General Biology	
BIOL 105	Environmental Biology	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
BIOL 216	Anatomy and Physiology I with Lab	
CHEM 104	Introduction Chemistry I	
CHEM 107	General Chemistry I	

EVGE 100	Environmental Geology
EVGE 101	Physical Geology
EVGE 121	Meteorology/Lab
PHYS 101	Concepts of Science I with Lab
PHYS 201	Elements of Physics I with Lab
PHYS 211	General Physics I with Lab
Subtotal	36
Total Hours	36

¹ Credits earned in these courses will be applied to Rock Studies 2.

² SEFE 380 or CIEL 348 credit earned will be applied to Professional Core.

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MIDDLE-LEVEL ENGLISH/LANGUAGE ARTS (4-8) - BSED (1231) / CIM 293

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
HIST 180	Spotlight on the Past	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
ENGL 104	Critical Reading	3
MATH 118	Elementary Geometry	3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
SEFE 230	Production and Utilization of Instructional Technology	3
SPED 121	Overview of Special Education	3
POLI 101	American National Government	3
BIO/CHEM/EGEO/PHYS Course 1		3
History Survey		3
Hours		15
Spring		
SEFE 326	ELL Strategies and Practice	3
COMM 217	Intercultural Communication	3
COMM 263	Media and Society	3
MATH 210	Mathematics for Elementary Teachers I	3
BIO/CHEM/EGEO/PHYS Course 2		3
Hours		15
Third Year		
Fall		
SEFE 370	Educational Measurements, Assessment and Evaluation	3
SEFE 380	History and Philosophy of Education	3
ENGL 328	Young Adult Literature	3
MATH 310	Mathematics for Elementary Teachers II	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Spring

SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 342	Educational Psychology for Diverse Learners	3
ENGL 305	Practicum: Teaching Writing	3
ENGL Course Major		3
Hours		15

Fourth Year

Fall		
SEFE 337	Teaching Middle Level Language Arts	3
ENGL Course Major		3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
ENGL Course Major		3
ENGL Course Major		3
Hours		16

Spring

SEFE 456	Student Teaching - Middle Level Grades	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		122

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1231

Revised: 09.23.2025

Middle-Level Math (4-8), Bachelor of Science in Education (BSED)

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

PROGRAM LEARNING OUTCOMES

The Learner and Learning - Young Adolescent Development (SRU UG 2, 3, 5, 9)

Middle Level Curriculum (SRU UG 2, 9)

Middle Level Philosophy and School Organization (SRU UG 5, 7, 8, 9)

Middle Level Instruction and Assessment (SRU UG 1, 2, 4, 6, 8, 10)

Middle Level Professional Roles (SRU UG 4, 5, 7, 8, 9)

Degree Program Writing Competency (SRU UG 1)

Related Links

Middle-Level Education - Mathematics, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/middle-level-education-mathematics/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		70
Electives		5

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
HIST 180	Spotlight on the Past	3
<i>Social Science Inquiry</i>		
POLI 101	American National Government	3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3

Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
SPED 121	Overview of Special Education	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above
- All grades in Professional Education & Specialization must be grades of "C" or above.

Code	Title	Hours
Middle Level Education		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 300	Middle Level Cognitive Development	3
Select one of the following:		
SEFE 311	Teaching of Mathematics in the Middle School	
SEFE 576	Teaching Integrated Science and Mathematics for Middle and Secondary Education	
SEFE 326	ELL Strategies and Practice	3

or CIEL 326	Teaching Multi Language Learners	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Select one of the following:		12
SEFE 456	Student Teaching - Middle Level Grades ^{1,2}	
CIEL 455	Student Teaching: Elementary or Secondary School ^{1,2}	
SPED 121	Overview of Special Education ³	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms ²	3
Subtotal		46
Math Certification Specialization		
Select 13 Credits from the courses listed below:		13
MATH 118	Elementary Geometry	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I ³	
Select 11 credits from the courses listed below:		11
MATH 122	Finite Mathematics with Matrices	
MATH 125	Precalculus	
MATH 230	Calculus II	
MATH 231	Calculus III	
MATH 235	Foundations of Mathematical Proof	
MATH 240	Linear Algebra and Differential Equations	
STAT 252	Introduction to Statistical Modeling	
Subtotal		24
Total Hours		70

¹ Course counts for Major requirements but not for Major GPA.

² SPED 315 & SEFE 456 or CIEL 455 must be taken in the same semester.

³ Credits earned in these courses will be applied to Rock Studies 2.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Grades 4-6 Core Content Areas

- To meet the English Language Arts 12 credit Pennsylvania Department of Education requirements, students must complete SEFE 251 – Teaching Reading in the Content Areas Grades 4-8 if they have not completed ENGL 102.

Code	Title	Hours
Social Studies		
HIST 180	Spotlight on the Past ¹	3

POLI 101	American National Government ¹	3
Select one of the following:		3
SEFE 380	History and Philosophy of Education ²	
CIEL 348	Educational Leadership, Advocacy & Program Development ²	
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters ¹	
HIST 152	Early Modern to Contemporary World ¹	
HIST 201	Colonial US to the Civil War Era ¹	
HIST 202	US Civil War Era to Present ¹	
English/Language Arts		
ENGL 102	Critical Writing ¹	3
ENGL 104	Critical Reading ¹	3
ENGL 328	Young Adult Literature	3
ENGL 305	Practicum: Teaching Writing	3
Science		
SCI 101	Science of Life ¹	3
SCI 102	Understanding the Physical World ¹	3
Select two of the following classes from two different departments:		6
BIOL 101	General Biology	
BIOL 105	Environmental Biology	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
BIOL 216	Anatomy and Physiology I with Lab	
CHEM 104	Introduction Chemistry I	
CHEM 107	General Chemistry I	
EVGE 100	Environmental Geology	
EVGE 101	Physical Geology	
EVGE 121	Meteorology/Lab	
PHYS 101	Concepts of Science I with Lab	
PHYS 201	Elements of Physics I with Lab	
PHYS 211	General Physics I with Lab	
Subtotal		36
Total Hours		36

¹ Credits earned in these courses will be applied to Rock Studies 2.

² SEFE 380 or CIEL 348 credit earned will be applied to Professional Core.

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3

or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MIDDLE-LEVEL MATHEMATICS (4-8) - BSED (1233) / CIM 294

This program is effective as of Summer 2025

Revised 07.08.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
HIST 180	Spotlight on the Past	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SCI 102	Understanding the Physical World	3
Math Certification Specialization Course		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
POLI 101	American National Government	3
SEFE 230	Production and Utilization of Instructional Technology	3
SPED 121	Overview of Special Education	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
BIO/CHEM/EGEO/PHYS Course 1		3
Hours		15
Spring		
MATH 210	Mathematics for Elementary Teachers I	3
SEFE 326	ELL Strategies and Practice	3
BIO/CHEM/EGEO/PHYS Course 2		3
Math Certification Specialization Course		3
Math Certification Specialization Course		3
Hours		15
Third Year		
Fall		
ENGL 328	Young Adult Literature	3
MATH 310	Mathematics for Elementary Teachers II	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
SEFE 380	History and Philosophy of Education	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Spring		
ENGL 305	Practicum: Teaching Writing	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 342	Educational Psychology for Diverse Learners	3
Math Certification Specialization Course		3
Math Certification Specialization Course		3
Hours		15
Fourth Year		
Fall		
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 311	Teaching of Mathematics in the Middle School	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Math Certification Specialization Course		3
Math Certification Specialization Course		3
Hours		16

Spring

SEFE 456	Student Teaching - Middle Level Grades	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		122

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1233

Revised: 09.23.2025

Middle-Level Science (4-8), Bachelor of Science in Education (BSED)

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

PROGRAM LEARNING OUTCOMES

The Learner and Learning - Young Adolescent Development (SRU UG 2, 3, 5, 9)

Middle Level Curriculum (SRU UG 2, 9)

Middle Level Philosophy and School Organization (SRU UG 5, 7, 8, 9)

Middle Level Instruction and Assessment (SRU UG 1, 2, 4, 6, 8, 10)

Middle Level Professional Roles (SRU UG 4, 5, 7, 8, 9)

Degree Program Writing Competency (SRU UG 1)

Related Links

Middle-Level Education - Science, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/middle-level-education-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		79

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

HIST 180 Spotlight on the Past 3

Social Science Inquiry

POLI 101 American National Government 3

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Additional Rock Studies 2 Requirements (12 credits)

MATH 210 Mathematics for Elementary Teachers I 3

MATH 310 Mathematics for Elementary Teachers II 3

SPED 121 Overview of Special Education 3

Select one of the following: 3

HIST 151 Ancient World to the Age of Global Encounters

HIST 152 Early Modern to Contemporary World

HIST 201 Colonial US to the Civil War Era

HIST 202 US Civil War Era to Present

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above
- All grades in Professional Education & Specialization must be grades of "C" or above.

Code	Title	Hours
Middle Level Education		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 326	ELL Strategies and Practice	3
or CIEL 326	Teaching Multi Language Learners	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342	Educational Psychology for Diverse Learners	3
Choose one		3
SEFE 349	Teaching of Science in the Middle School	
SEFE 576	Teaching Integrated Science and Mathematics for Middle and Secondary Education	
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Choose one		12
SEFE 456	Student Teaching - Middle Level Grades ^{1,2}	

CIEL 455	Student Teaching: Elementary or Secondary School ^{1,2}	
SPED 121	Overview of Special Education ³	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms ²	3
Subtotal		49
Science Certification Specialization		
SCI 101	Science of Life ³	3
SCI 102	Understanding the Physical World ³	3
Select at least 24 credits from the following list:		24
BIOL 105	Environmental Biology	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	
EVGE 100 & EVGE 110	Environmental Geology and Environmental Geology Lab	
EVGE 121	Meteorology/Lab	
EVGE 131	Oceanography	
EVGE 201	Earth Materials and Processes/Lab	
PHYS 201	Elements of Physics I with Lab	
PHYS 202	Elements of Physics II/ Lab	
PHYS 317	Space Science	
Subtotal		30
Total Hours		79

¹ Course counts for Major requirements but not for Major GPA

² SPED 315 & SEFE 456 or CIEL 455 must be taken in the same semester.

³ Credits earned in these courses will be applied to Rock Studies 2.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Grades 4-6 Core Content Areas

- To meet the English Language Arts 12 credit Pennsylvania Department of Education requirements, students must complete SEFE 251 – Teaching Reading in the Content Areas Grades 4-8 if they have not completed ENGL 102.

Code	Title	Hours
Social Studies		
HIST 180	Spotlight on the Past ¹	3
POLI 101	American National Government	
Select one		3
SEFE 380	History and Philosophy of Education ²	
CIEL 348	Educational Leadership, Advocacy & Program Development ²	
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters ¹	
HIST 152	Early Modern to Contemporary World ¹	
HIST 201	Colonial US to the Civil War Era ¹	

HIST 202	US Civil War Era to Present ¹	
Subtotal		9
English/Language Arts		
ENGL 102	Critical Writing ¹	3
ENGL 104	Critical Reading ¹	3
ENGL 305	Practicum: Teaching Writing	3
ENGL 328	Young Adult Literature	3
Subtotal		12
Math		
MATH 118	Elementary Geometry	3
MATH 210	Mathematics for Elementary Teachers I ¹	3
MATH 310	Mathematics for Elementary Teachers II ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		12
Total Hours		33

¹ Credits earned in these courses will be applied to Rock Studies 2.

² SEFE 380 or CIEL 348 credit earned will be applied to Professional Core.

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-

earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MIDDLE-LEVEL SCIENCE (4-8) - BSED (1235) / CIM 295

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
HIST 180	Spotlight on the Past	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16

Spring		
ENGL 104	Critical Reading	3
MATH 118	Elementary Geometry	3
SCI 102	Understanding the Physical World	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15

Second Year		
Fall		
SEFE 230	Production and Utilization of Instructional Technology	3
SPED 121	Overview of Special Education	3
POLI 101	American National Government	3
MATH 210	Mathematics for Elementary Teachers I	3
Science Course Major		3
Hours		15

Spring		
SEFE 326	ELL Strategies and Practice	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
Science Course Major		3
Science Course Major		3

Science Course Major		3
Hours		15
Third Year		
Fall		
ENGL 328	Young Adult Literature	3
MATH 310	Mathematics for Elementary Teachers II	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
SEFE 380	History and Philosophy of Education	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Spring		
ENGL 305	Practicum: Teaching Writing	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 342	Educational Psychology for Diverse Learners	3
Science Course Major		3
Science Course Major		3
Hours		15
Fourth Year		
Fall		
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 349	Teaching of Science in the Middle School	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Science Course Major		3
Science Course Major		3
Hours		16
Spring		
SEFE 456	Student Teaching - Middle Level Grades	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		122

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 1235
Revised: 09.12.2023

Middle-Level Social Studies (4-8), Bachelor of Science in Education (BSED)

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

PROGRAM LEARNING OUTCOMES

The Learner and Learning - Young Adolescent Development (SRU UG 2, 3, 5, 9)

Middle Level Curriculum (SRU UG 2, 9)

Middle Level Philosophy and School Organization (SRU UG 5, 7, 8, 9)

Middle Level Instruction and Assessment (SRU UG 1, 2, 4, 6, 8, 10)

Middle Level Professional Roles (SRU UG 4, 5, 7, 8, 9)

Degree Program Writing Competency (SRU UG 1)

Related Links

Middle-Level Education - Social Studies, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/middle-level-education-social-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	76

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
HIST 180	Spotlight on the Past	3
<i>Social Science Inquiry</i>		
POLI 101	American National Government	3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
SPED 121	Overview of Special Education	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above
- All grades in Professional Education & Specialization must be grades of "C" or above.

Code	Title	Hours
Middle Level Education		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 300	Middle Level Cognitive Development	3
SEFE 326	ELL Strategies and Practice	3
or CIEL 326	Teaching Multi Language Learners	
Choose one of the following:		3
SEFE 335	Teaching Middle Level Social Studies	
SEFE 522	Teaching of Middle Level and Secondary Social Studies and the Engl Language Arts for the Humanities	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom ¹	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Select one of the following:		12
SEFE 456	Student Teaching - Middle Level Grades ^{1,2}	
CIEL 455	Student Teaching: Elementary or Secondary School ^{1,2}	
SPED 121	Overview of Special Education ³	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms ²	3
Subtotal		49
Social Studies Certification Specialization		
HIST 180	Spotlight on the Past ³	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters ³	
HIST 152	Early Modern to Contemporary World ³	
HIST 435	Pennsylvania	3
POLI 101	American National Government ³	3
HIST 300/400 level		3
HIST 300/400 level		3
Select two Social Studies courses from the following:		6
ECON 105	Economics of Social Issues	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
GES 105	World Regional Geography	
GES 170	Discover Geography	

INDP 106	Race and Ethnic Diversity in the USA	
INDP 104	Principles of Sociology	
INDP 108	Introduction to Anthropology	
PSYC 105	Introduction to Psychology	
Select one History course from the following:		3
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
Subtotal		27
Total Hours		76

¹ Course counts for Major requirements but not for Major GPA

² SPED 315 & SEFE 456 or CIEL 455 must be taken in the same semester.

³ Credits earned in these courses will be applied to Rock Studies 2.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Grades 4-6 Core Content Areas

- To meet the English Language Arts 12 credit Pennsylvania Department of Education requirements, students must complete SEFE 251 – Teaching Reading in the Content Areas Grades 4-8 if they have not completed ENGL 102.

Code	Title	Hours
English/Language Arts		
ENGL 102	Critical Writing ¹	3
ENGL 104	Critical Reading ¹	3
ENGL 305	Practicum: Teaching Writing	3
ENGL 328	Young Adult Literature	3
Math		
STAT 152	Elementary Statistics I ¹	3
MATH 118	Elementary Geometry	3
MATH 210	Mathematics for Elementary Teachers I ¹	3
MATH 310	Mathematics for Elementary Teachers II ¹	3
Science		
SCI 101	Science of Life ¹	3
SCI 102	Understanding the Physical World ¹	3
Select two of the following classes from different departments:		6
BIOL 101	General Biology	
BIOL 105	Environmental Biology	
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
BIOL 216	Anatomy and Physiology I with Lab	
CHEM 104	Introduction Chemistry I	
CHEM 107	General Chemistry I	
EVGE 100	Environmental Geology	
EVGE 101	Physical Geology	
EVGE 121	Meteorology/Lab	
PHYS 101	Concepts of Science I with Lab	
PHYS 201	Elements of Physics I with Lab	
PHYS 211	General Physics I with Lab	
Subtotal		36
Total Hours		36

¹ Credits earned in these courses will be applied to Rock Studies 2.

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MIDDLE-LEVEL SOCIAL STUDIES (4-8) - BSED (1234) / CIM 296

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3

ESAP 101	FIRST Seminar *	1
HIST 180	Spotlight on the Past	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16

Spring

SEFE 200	Introduction to Education, Teaching Methods and Field	3
ENGL 104	Critical Reading	3
MATH 118	Elementary Geometry	3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15

Second Year**Fall**

SEFE 230	Production and Utilization of Instructional Technology	3
POLI 101	American National Government	3
SPED 121	Overview of Special Education	3
BIO/CHEM/EGEO/PHYS Course 1		3
Social Studies Course Major		3
Hours		15

Spring

SEFE 326	ELL Strategies and Practice	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
BIO/CHEM/EGEO/PHYS Course 2		3
Social Studies Certification Specialization Course		3
Hours		15

Third Year**Fall**

SEFE 370	Educational Measurements, Assessment and Evaluation	3
SEFE 380	History and Philosophy of Education	3
ENGL 328	Young Adult Literature	3
MATH 310	Mathematics for Elementary Teachers II	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Spring

SEFE 300	Middle Level Cognitive Development	3
SEFE 342	Educational Psychology for Diverse Learners	3
ENGL 305	Practicum: Teaching Writing	3
Social Studies Certification Specialization Course		3
Social Studies Certification Specialization Course		3
Hours		15

Fourth Year**Fall**

SEFE 251	Teaching Reading in the Content Areas Grades 4-8	3
SEFE 335	Teaching Middle Level Social Studies	3
Social Studies Course Major		3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Social Studies Certification Specialization Course		3
Hours		16

Spring

SEFE 456	Student Teaching - Middle Level Grades	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		122

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 1233

Revised: 09.23.2025

Secondary Education - English (7-12), Bachelor of Science in Education (BSED)

This program prepares students for careers teaching English in secondary schools. Requirements for the Major in Secondary Education (7-12) include a combination courses and student teaching experiences that lead to certification for a state-approved teaching license. All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

Teacher Education Policy Manual (<https://www.sru.edu/documents/academics/colleges/COE/Teacher%20Education%20Policy%20Manual%20HANDBOOK.pdf>)

PROGRAM LEARNING OUTCOMES

Impact on Student Learning (SRU UG 2, 3, 5, 9)

Content Knowledge in the English Language Arts (SRU UG 2, 9)

Effective Planning of Classroom-Based Instruction (SRU UG 1, 2, 4, 6, 8, 10)

Candidates' Knowledge, Skills, and Dispositions (SRU UG 4, 5, 7, 8, 9)

English Language Learners (SRU UG 5, 7, 8, 9)

Linguistics (SRU UG 2, 9)

Reading (SRU UG 2, 9)

Research English (SRU UG 1, 2, 9)

Degree Program Writing Competency (SRU UG 1)

Related Links

Secondary Education - English, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/secondary-education-english/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PRAXIS) or a 2.8 GPA and a *qualifying* passing subject area assessment (PRAXIS) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	91

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
ENGL 220	Introduction to Literary and Cultural Studies	3
<i>Social Science Inquiry</i>		

COMM 263	Media and Society	3
<i>Physical & Natural Sciences</i>		
SCI 101	Science of Life	3
SCI 102	Understanding the Physical World	3
Subtotal		15
Select one of the following:		3
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
Additional Rock Studies 2 Requirements		
SPED 121	Overview of Special Education	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
COMM 217	Intercultural Communication	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 47 major credits must be taken at SRU or PASSHE
- 47 major credits must be taken at the 300 level or above

Code	Title	Hours
Professional Education		
All grades earned in Professional Education must be a "C" or above		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	

Choose one of the following:	3
SEFE 320 Teaching of Language Arts in Secondary Schools	
SEFE 522 Teaching of Middle Level and Secondary Social Studies and the Engl Language Arts for the Humanities	
SEFE 326 ELL Strategies and Practice	3
or CIEL 326 Teaching Multi Language Learners	
SEFE 338 Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342 Educational Psychology for Diverse Learners	3
SEFE 370 Educational Measurements, Assessment and Evaluation	3
or CIEL 316 Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380 History and Philosophy of Education	3
or CIEL 348 Educational Leadership, Advocacy & Program Development	
SEFE 426 Practicum in Middle-Level & Secondary Education	1
Select one of the following:	12
SEFE 455 Student Teaching - Secondary Education ¹	
CIEL 455 Student Teaching: Elementary or Secondary School ¹	
SPED 121 Overview of Special Education	3
SPED 315 Special Education Issues in Diverse Secondary Classrooms	3
Subtotal	43
Writing Specialization	
ENGL 204 Composition and Rhetoric	3
ENGL 235 Writing for Non-Print Media	3
ENGL 305 Practicum: Teaching Writing	3
Subtotal	9
Language Requirement	
ENGL 230 Introduction to Linguistics and Grammar	3
ENGL 331 Historical Development of the English Language	3
Subtotal	6
Required English Courses	
ENGL 312 Introduction to Shakespeare	3
or ENGL 389 Stratford Shakespeare Tour	
ENGL 317 British Literature I	3
ENGL 318 British Literature II	3
ENGL 319 American Literature I	3
ENGL 320 American Literature II	3
ENGL 328 Young Adult Literature	3
ENGL 402 World Literature	3
ENGL 403 Literary and Cultural Theory	3
Choose one of the following	3
ENGL 242 African-American Literature	
ENGL 243 Literature of the Women's Movement	
ENGL 244 Native American Literature	
ENGL 246 U.S. Latino/a Literatures	

ENGL 248 Asian Literature	
ENGL 300 Queer Literature and Film	
Subtotal	27
Communication Courses	
COMM 215 Small Group Communication	3
or COMM 217 Intercultural Communication	
COMM 263 Media and Society	3
Subtotal	6
Total Hours	91

¹ Course counts for Major requirement but does not count for Major GPA
 * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Information

For information only: Please see adviser for more details pertaining to this certification

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SECONDARY EDUCATION - ENGLISH 7-12 BSED (1224) / CIM 382

Effective Summer 20236

Revised: 07.02.2025

UCC 11.26.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SCI 101	Science of Life	3
SPED 121	Overview of Special Education	3
SUBJ 139	University Seminar ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
COMM 217 or COMM 215	Intercultural Communication or Small Group Communication	3
ENGL 104	Critical Reading	3
ENGL 220	Introduction to Literary and Cultural Studies	3
STAT 152	Elementary Statistics I	3
Hours		15
Second Year		
Fall		
SEFE 230	Production and Utilization of Instructional Technology	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
ENGL 235	Writing for Non-Print Media	3
MATH 125	Precalculus	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
SEFE 326	ELL Strategies and Practice	3
ENGL 204	Composition and Rhetoric ^(S)	3
COMM 263	Media and Society	3
ENGL 230	Introduction to Linguistics and Grammar	3
SCI 102	Understanding the Physical World	3
Hours		15

Third Year

Fall

SEFE 380	History and Philosophy of Education	3
ENGL 317	British Literature I ^(F)	3
ENGL 319	American Literature I ^(F)	3
ENGL 328	Young Adult Literature ^(F)	3
ENGL 331	Historical Development of the English Language ^(F)	3
Hours		15

Spring

SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom ^(S)	3
ENGL 312 or ENGL 389	Introduction to Shakespeare ^(S) or Stratford Shakespeare Tour	3
ENGL 318	British Literature II ^(S)	3
ENGL 320	American Literature II ^(S)	3
ENGL 332	Modern English Grammar and Syntax ^(S)	3
Hours		15

Fourth Year

Fall

SEFE 320	Teaching of Language Arts in Secondary Schools ^(F)	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
ENGL 305	Practicum: Teaching Writing ^(F)	3
ENGL 402	World Literature ^(F)	3
ENGL 403	Literary and Cultural Theory	3
Hours		16

Spring

SEFE 455	Student Teaching - Secondary Education	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		123

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

F (F) Indicates Fall Course Only

S (S) Indicates Spring Course Only

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

SECONDARY EDUCATION - ENGLISH 7-12 BSED (1224)

Revised: 09.23.2025

Secondary Education - Social Studies - History (7-12), Bachelor of Science in Education (BSED)

This program prepares students for careers teaching Social Studies / History in secondary schools. Requirements for the Major in Secondary Education (7-12) include a combination of education courses and student teaching experiences that lead to certification for a state-approved teaching license. All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

Teacher Education Policy Manual (<https://www.sru.edu/documents/academics/colleges/COE/Teacher%20Education%20Policy%20Manual%20HANDBOOK.pdf>)

PROGRAM LEARNING OUTCOMES

Impact on Student Learning (SRU UG 2, 3, 5, 9)

Content Knowledge in the Social Studies (SRU UG 2, 9)

Effective Planning of Classroom-Based Instruction (SRU UG 1, 2, 4, 6, 8, 10)

Candidates' Knowledge, Skills, and Dispositions (SRU UG 4, 5, 7, 8, 9)

Civic Ideals and Practices (SRU UG 5, 7, 8)

Culture (SRU UG 6, 8, 9)

Time, Continuity, and Change (SRU UG 2, 6)

Degree Program Writing Competency (SRU UG 1)

Related Links

Secondary Education - Social Studies and History, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/secondary-education-social-studies-and-history/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PRAXIS) or a 2.8 GPA and a *qualifying* passing subject area assessment (PRAXIS) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	97

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry (Waived)</i>		
<i>Social Science Inquiry (Waived)</i>		
<i>Physical & Natural Sciences</i>		
SCI 101	Science of Life	3
Subtotal		6
Additional Rock Studies 2 Requirements		
Select one of the following:		3
ECON 105	Economics of Social Issues	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
Select one of the following:		3
INDP 108	Introduction to Anthropology	
POLI 101	American National Government	
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
Select one of the following:		3
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
PSYC 105	Introduction to Psychology	3
SPED 121	Overview of Special Education	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Subtotal		21
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 52 major credits must be taken at SRU or PASSHE
- 52 major credits must be taken at the 300 level or above

Code	Title	Hours
Professional Education		
All grades earned in Professional Education must be a "C" or above		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
Choose from the following:		3
SEFE 319	Teaching of Social Studies in Secondary Schools	
SEFE 522	Teaching of Middle Level and Secondary Social Studies and the Engl Language Arts for the Humanities	
SEFE 326	ELL Strategies and Practice	3
or CIEL 326	Teaching Multi Language Learners	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Select one of the following:		12
SEFE 455	Student Teaching - Secondary Education ¹	

CIEL 455	Student Teaching: Elementary or Secondary School ¹	
SPED 121	Overview of Special Education	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Subtotal		43
Non-US History Courses		
HIST 151	Ancient World to the Age of Global Encounters	3
HIST 152	Early Modern to Contemporary World	3
US History Courses		
HIST 201	Colonial US to the Civil War Era	3
HIST 202	US Civil War Era to Present	3
Historian Methods/Historian Craft Course		
HIST 205	The Historian's Craft	3
Economics Course		
ECON 105	Economics of Social Issues	3
Geography Courses		
GES XXX	Geography Course	3
Political Science Courses		
POLI 101	American National Government	3
POLS XXX	Political Science Course	3
Professional Studies Courses (select one)		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
Psychology Course		
PSYC 105	Introduction to Psychology	3
Subtotal		33
Secondary Education Social Studies - History Electives		
Must take at least six credits in two areas and nine credits required in one area.		21
American History Electives (p. 169)		
HIST 435	Pennsylvania	
HIST XXX	American History Elective	
HIST XXX	American History Elective	
Non-Western History Electives (p. 169)		
HIST XXX	Non-Western History Elective	
HIST XXX	Non-Western History Elective	
HIST XXX	Non-Western History Elective	
European History Electives (p. 169)		
HIST XXX	European History Elective	
HIST XXX	European History Elective	
HIST XXX	European History Elective	
Subtotal		21
Total Hours		97

¹ Course counts for Major but not Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

American History Electives

Code	Title	Hours
HIST 304	American Military History	3
HIST 313	U.S. Manhood and Masculinities	3
HIST 323	African American History to 1876	3
HIST 324	African American History Since 1876	3
HIST 326	The Long Civil Rights Movement	3
HIST 335	Outstanding Americans	3
HIST 337	Native American History	3
HIST 344	The American City	3
HIST 350	The American Civil War	3
HIST 353	History of the Americas	3
HIST 358	American Popular Culture, 1865 to the Present	3
HIST 364	History of Medicine	3
HIST 390	Experimental	3
HIST 435	Pennsylvania	3
HIST 437	The American West	3
HIST 445	Americans and the Environment	3
HIST 453	American Constitutional History and Law	3
HIST 490	Independent Study	3
HIST 498	Selected Topics	3

European History Electives

Code	Title	Hours
HIST 305	Russia to 1855	3
HIST 306	Russia Since 1855	3
HIST 318	Gender and Sexuality in European Society	3
HIST 319	History of Women to 1750	3
HIST 331	England to 1689	3
HIST 332	Britain Since 1689	3
HIST 333	Medieval Church	3
HIST 346	Rise of Imperial Britain	3
HIST 347	Twentieth Century British Culture	3
HIST 364	History of Medicine	3
HIST 390	Experimental	3
HIST 404	Violence in Post-45 Europe	3
HIST 422	Ancient Greece	3
HIST 424	The Middle Ages	3
HIST 426	French Revolution and Napoleon	3
HIST 427	Nineteenth Century Europe	3
HIST 464	The Scientific Revolution of the 17th and 18th Centuries	3
HIST 490	Independent Study	3
HIST 498	Selected Topics	3

Non-Western History Electives

Code	Title	Hours
HIST 351	Latin America to 1830	3
HIST 352	Latin America Since 1830	3
HIST 353	History of the Americas	3
HIST 362	Africa North of the Zambezi	3
HIST 363	Southern Africa	3
HIST 364	History of Medicine	3

HIST 370	History and the Bible	3
HIST 371	History of Jews	3
HIST 376	Modern Japan	3
HIST 380	Egyptology	3
HIST 381	East Asian Military Traditions	3
HIST 382	Modern Asian Pacific Rim	3
HIST 386	Modern China	3
HIST 390	Experimental	3
HIST 406	Mass Killing and Genocide in the Modern World	3
HIST 462	The Contemporary Middle East	3
HIST 463	Israel-History, State and Society	3
HIST 490	Independent Study	3
HIST 498	Selected Topics	3

Important Information

For information only. Please see adviser for more details pertaining to this certification

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	
MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	

Total Hours **21**

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SECONDARY EDUC - SOCIAL STUDIES - HISTORY 7-12 BSED (1277) / CIM 384

Effective Summer 2025

Revised: 09.18.2025

UCC 11.26.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar [*]	1
POLI 101	American National Government	3
PSYC 105	Introduction to Psychology	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
SEFE 230	Production and Utilization of Instructional Technology	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
SPED 121	Overview of Special Education	3
GES Elective		3
Hours		15
Second Year		
Fall		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
MATH 125	Precalculus	4
SEFE 326	ELL Strategies and Practice	3
ECON 105	Economics of Social Issues	3
or ECON 201	or Principles of Macroeconomics	
SCI 101	Science of Life	3
Hours		16
Spring		
INDP 108	Introduction to Anthropology	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
INDP 106	Race and Ethnic Diversity in the USA	3
HIST 151	Ancient World to the Age of Global Encounters	3
HIST 152	Early Modern to Contemporary World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18

Third Year		
Fall		
HIST 201	Colonial US to the Civil War Era	3
HIST 202	US Civil War Era to Present	3
HIST 205	The Historian's Craft	3
HIST Elective		3
POLS Elective		3
Hours		15
Spring		
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom ^(S)	3
SEFE 380	History and Philosophy of Education	3
HIST Elective		3
HIST Elective		3
Hours		12
Fourth Year		
Fall		
SEFE 319	Teaching of Social Studies in Secondary Schools ^(F)	3
SEFE 426	Practicum in Middle-Level & Secondary Education	1
HIST Elective		3
HIST Elective		3
HIST Elective		3
HIST Elective		3
Hours		16
Spring		
SEFE 455	Student Teaching - Secondary Education	12
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Hours		15
Total Hours**		123

* Students are encouraged to take ESAP 101 as a Free Elective.
¹ Course offered in multiple subjects; cannot take course in first major subject
 F (F) indicates Fall course only.
 S (S) indicates Spring course only.

**This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.

SECONDARY EDUC - SOCIAL STUDIES - HISTORY 7-12 BSED (1277)
 Revised: 09.23.2025

Secondary Education - Spanish (K-12), Bachelor of Science in Education (BSED)

This program prepares students for careers teaching Spanish in all school levels. Requirements for the Major in Secondary Education (K-12) include a combination of education courses and student teaching

experiences that lead to certification for a state-approved teaching license. All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

Teacher Education Policy Manual (<https://www.sru.edu/documents/academics/colleges/COE/Teacher%20Education%20Policy%20Manual%20HANDBOOK.pdf>)

PROGRAM LEARNING OUTCOMES

Impact on Student Learning (SRU UG 2, 3, 5, 9)

Content Knowledge in the Social Studies (SRU UG 2, 9)

Effective Planning of Classroom-Based Instruction (SRU UG 1, 2, 4, 6, 8, 10)

Candidates' Knowledge, Skills, and Dispositions (SRU UG 4, 5, 7, 8, 9)

Civic Ideals and Practices (SRU UG 5, 7, 8)

Culture (SRU UG 6, 8, 9)

Time, Continuity, and Change (SRU UG 2, 6)

Degree Program Writing Competency (SRU UG 1)

Related Links

Secondary Education - Spanish, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/secondary-education-spanish/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PRAXIS) or a 2.8 GPA and a *qualifying* passing subject area assessment (PRAXIS) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	76-85
	Electives	1-9

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3

ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Physical & Natural Sciences

SCI 101 Science of Life 3

SCI 102 Understanding the Physical World 3

Select one of the following: 3

MATH 113 Mathematics as a Liberal Art

MATH 115 Financial Mathematics

MATH 117 Quantitative Reasoning

MATH 118 Elementary Geometry

MATH 122 Finite Mathematics with Matrices

MATH 123 Introduction to Applied Calculus

MATH 125 Precalculus

MATH 131 Discrete Mathematics

MATH 225 Calculus I

Additional Rock Studies 2 Requirements

SPED 121 Overview of Special Education 3

SPED 315 Special Education Issues in Diverse Secondary Classrooms 3

SPAN 300 Writing in Spanish for the Professions II 3

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 38 major credits must be taken at SRU or PASSHE
- 38 major credits must be taken at the 300 level or above

Code	Title	Hours
Professional Education		
All grades earned in Professional Education must be a "C" or above.		
CDEV 248	Human Development and Education	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SEFE 323	Teaching World Languages	3
SEFE 326	ELL Strategies and Practice	3
or CIEL 326	Teaching Multi Language Learners	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SEFE 342	Educational Psychology for Diverse Learners	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
SEFE 380	History and Philosophy of Education	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
SEFE 426	Practicum in Middle-Level & Secondary Education	1
Select one of the following:		12
SEFE 455	Student Teaching - Secondary Education ^{1,2}	
CIEL 455	Student Teaching: Elementary or Secondary School ^{1,2}	
SPED 121	Overview of Special Education	3
SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
Subtotal		46

Secondary Content Area - Spanish

For student teaching and certification all grades earned in Content Area must be a "C" or above.

Basic Skill Courses

Exemption is possible from these courses according to performance on the language placement test. CLEP, AP, and OPI credits are accepted:

SPAN 101	Spanish Language & Culture I	0-18
SPAN 102	Spanish Language & Culture II	
SPAN 103	Spanish Language & Culture III	
SPAN 200	Writing in Spanish for the Professions I	
SPAN 201	Speaking in Spanish for the Professions I	
SPAN 220	Understanding Hispanic Cultures Through Reading	

Required Spanish Courses

SPAN 300	Writing in Spanish for the Professions II	3
SPAN 350	The Sounds of Spanish	3
SPAN 400	Writing in Spanish for the Professions III	3
SPAN 401	Speaking in Spanish for the Professions III	3
Conversation Courses		
Select one of the following:		3
SPAN 301	Speaking in Spanish for the Professions II	
SPAN 302	Communication in Spanish for the Elementary Classroom	
Civilization Courses		
Select one of the following:		3
SPAN 305	Spain Today	
SPAN 328	Latin American Today	
Literature Courses		
Select one of the following:		3
SPAN 431	Exploring Spanish Culture through Media	
SPAN 432	Exploring Latin American Cultures through Media	
Spanish Electives - For students who Exempt from Basic Skills		
Choose as many SPAN electives as necessary to reach 30 credits		9-0
Subtotal		30-39
Total Hours		76-85

¹ Course counts for Major but not for Major GPA.

² SPED 315 and SEFE 455 or CIEL 455 are taken together during the student teaching semester.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Information

For information only. Please see adviser for more details pertaining to this certification

Prerequisites for Admission to Teacher Candidacy

- Teacher candidacy requires a minimum of 3.0 GPA with no basic skills or a 2.8 GPA with demonstration that basic skills have been met.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
SEFE 200	Introduction to Education, Teaching Methods and Field	3
SEFE 230	Production and Utilization of Instructional Technology	3
or CIEL 245	Innovation and Instructional Technology	
SPED 121	Overview of Special Education	3
Math Requirement		
Select 6 credits from the following:		6
MATH 113	Mathematics as a Liberal Art	
MATH 115	Financial Mathematics	
MATH 117	Quantitative Reasoning	

MATH 118	Elementary Geometry	
MATH 120	Intermediate Algebra	
MATH 122	Finite Mathematics with Matrices	
MATH 123	Introduction to Applied Calculus	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
MATH 225	Calculus I	
STAT 152	Elementary Statistics I	
Total Hours		21

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SECONDARY EDUCATION - SPANISH K-12 BSED (1284)/ CIM 385
Effective Summer 2023

Revised: 07.08.2025

UCC 03.18.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SCI 101	Science of Life	3
SPAN 101	Spanish Language & Culture I ²	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
SEFE 200	Introduction to Education, Teaching Methods and Field	3
ENGL 104	Critical Reading	3
SCI 102	Understanding the Physical World	3
STAT 152	Elementary Statistics I	3
SPAN 102	Spanish Language & Culture II ²	3
Hours		15
Second Year		
Fall		
MATH 125	Precalculus	4
SPED 121	Overview of Special Education	3
SPAN 103	Spanish Language & Culture III ²	3

SEFE 230	Production and Utilization of Instructional Technology	3
SPAN 200	Writing in Spanish for the Professions I	3
Hours		16
Spring		
SEFE 326	ELL Strategies and Practice	3
SEFE 370	Educational Measurements, Assessment and Evaluation	3
SPAN 201	Speaking in Spanish for the Professions I ²	3
SPAN 220	Understanding Hispanic Cultures Through Reading ²	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Third Year

Fall

SEFE 323	Teaching World Languages	3
Social Science Inquiry (p. 19)		3
SPAN 350	The Sounds of Spanish	3
CDEV 248	Human Development and Education	3
SEFE 342	Educational Psychology for Diverse Learners	3
Hours		15

Spring

SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SPAN 401	Speaking in Spanish for the Professions III	3
SPAN 300	Writing in Spanish for the Professions II	3
Humanities Inquiry (p. 19)		3
Spanish Civilization Course		3
SPAN 305	Spain Today	
SPAN 328	Latin American Today	
Hours		15

Fourth Year

Fall

SEFE 426	Practicum in Middle-Level & Secondary Education	1
Spanish Literature Course		3
SPAN 431	Exploring Spanish Culture through Media	
SPAN 432	Exploring Latin American Cultures through Media	
SPAN 400	Writing in Spanish for the Professions III	3
SEFE 380	History and Philosophy of Education	3
Spanish Course Elective		3
Spanish Conversation Course		3
SPAN 301	Speaking in Spanish for the Professions II	
SPAN 302	Communication in Spanish for the Elementary Classroom	
Hours		16

Spring

SEFE 455	Student Teaching - Secondary Education	12

SPED 315	Special Education Issues in Diverse Secondary Classrooms	3
	Hours	15
	Total Hours**	123

¹ Course offered in multiple subjects; cannot take course in first major subject

² Spanish Elective for students who are exempt from basic skills. Total Spanish credits must total 30.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

SECONDARY EDUCATION - SPANISH K-12 BSED (1284)
Revised: 09.23.2025

Special Education Programs

Majors

- Early Childhood Education (PK-4)/Special Education (PK-12), Bachelor of Science in Education (BSED) (p. 174)
- Early Childhood Education (PK-4)/Special Education (PK-12), Bachelor of Science in Education (BSED) - Concentration in International Education (p. 178)
- Special Education (K-12), Bachelor of Science in Education (BSED) (p. 183)
- Special Education Transition Programming, Bachelor of Science (BS) (p. 186)

Minors

- Special Education, Minor (p. 188)

Early Childhood Education (PK-4)/ Special Education (PK-12), Bachelor of Science in Education (BSED)

PROGRAM LEARNING OUTCOMES

Program Student Learning Outcome 1 – Child Development and Learning

Pre-service teachers will understand how children develop intellectually, socially, emotionally, and physically and will use this knowledge to design meaningful and developmentally appropriate instruction.

Aligned SRU Outcomes: 2 (Apply critical thinking to argument and problem solving), 5 (Develop as a whole person)

Program Student Learning Outcome 2 – Diversity, Equity, and Cultural Responsiveness

Pre-service teachers will demonstrate respect for diversity and the ability to create inclusive, culturally responsive classrooms that support learners of varied linguistic, cultural, and socioeconomic backgrounds.

Aligned SRU Outcomes: 8 (Act ethically), 9 (Develop a worldview that acknowledges diversity and global interdependence), 7 (Be civically engaged)

Program Student Learning Outcome 3 – Professional Knowledge of Special Education Foundations

Candidates will demonstrate knowledge of the historical, philosophical, and legal foundations of special education, including IDEA, Section 504, and Chapter 14, and will apply this knowledge to protect students' rights and promote access in the least restrictive environment.

Aligned SRU Outcomes: 8 (Act ethically), 5 (Develop as a whole person)

Program Student Learning Outcome 4 – Assessment and Data-Driven Decision Making

Candidates will select, administer, interpret, and apply multiple forms of assessment to make data-informed instructional and behavioral decisions within a multi-tiered system of support.

Aligned SRU Outcomes: 2 (Apply critical thinking to argument and problem solving), 4 (Apply quantitative reasoning in appropriate contexts)

Program Student Learning Outcome 5 – Instructional Design and Evidence-Based Practice

Pre-service teachers will design, implement, and evaluate evidence-based instruction in literacy, mathematics, and content areas that meets individual learner needs and is aligned with state standards.

Aligned SRU Outcomes: 2 (Apply critical thinking), 5 (Develop as a whole person)

Program Student Learning Outcome 6 – Classroom Management and Positive Behavior Support

Candidates will establish and maintain safe, inclusive learning environments by applying positive behavior interventions and supports, data-based decision making, and social-emotional learning practices.

Aligned SRU Outcomes: 5 (Develop as a whole person), 8 (Act ethically)

Program Student Learning Outcome 7 – Collaboration and Communication

Pre-service teachers will collaborate effectively with families, educators, related service providers, and community agencies to plan and implement educational programs for all learners.

Aligned SRU Outcomes: 1 (Act as effective communicators), 7 (Be civically engaged), 9 (Develop a worldview that acknowledges diversity)

Program Student Learning Outcome 8 – Technology and Accessibility

Candidates will integrate assistive and instructional technologies to enhance engagement, accessibility, and learning outcomes for all students, including those with disabilities.

Aligned SRU Outcomes: 10 (Act as responsible digital citizens), 5 (Develop as a whole person)

Program Student Learning Outcome 9 – Transition and Lifespan Development

Candidates will plan and support transitions across educational and developmental stages, including early childhood to elementary and secondary to post-school outcomes, promoting self-determination and independence for students with disabilities.

Aligned SRU Outcomes: 5 (Develop as a whole person), 7 (Be civically engaged)

Program Student Learning Outcome 10 – Professionalism, Ethics, and Lifelong Learning

Pre-service teachers will demonstrate ethical conduct, reflective practice, and a commitment to continuous professional growth aligned with state and national standards for the teaching profession.

Aligned SRU Outcomes: 5 (Develop as a whole person), 8 (Act ethically)

Related Links

Early Childhood Education (PK-4)/Special Education (PK-12), BSED Program Page ([https://www.sru.edu/academics/majors-and-minors/early-childhood-\(pk-4\)/-special-education-\(k-8/\)](https://www.sru.edu/academics/majors-and-minors/early-childhood-(pk-4)/-special-education-(k-8/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	98

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Additional Rock Studies 2 Requirements (12 credits)

SOWK 105	Human Diversity	3
SPED 121	Overview of Special Education ²	3
PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
MATH 310	Mathematics for Elementary Teachers II ²	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Indicates coursework required for the ELEC Major as per PA Dept. of Education Certification Policy.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 49 major credits must be taken at SRU or PASSHE
- 49 major credits must be taken at the 300 level or above

Code	Title	Hours
Foundation Courses		
ELEC 100	Early Childhood Education Theory & Practice ¹	3
ELEC 200	Child Development Typical ¹	3
or CDEV 248	Human Development and Education	
ELEC 348	Leadership, Advocacy & Program Development ¹	3
or CIEL 348	Educational Leadership, Advocacy & Program Development	
PHED 243	Educational Movement in Health & Wellness ¹	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education ¹	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities ¹	3
SPED 245	Technology in Special Education	3
Subtotal		24
Diversity Block ²		
ELEC 230	Field-Based Child Development Typical ¹	3

ELEC 237	ELL Strategies and Practice for Early Childhood Education ¹	3
or CIEL 326	Teaching Multi Language Learners	
ELEC 281	Family and Community Diversity and Partnerships ¹	3
Subtotal		9
Early Literacy Block ²		
ELEC 238	Literacy Practices for the Emergent Learner, PK-1 ¹	3
ELEC 285	Integrating Creative Expression through the Arts ¹	3
Subtotal		6
Block 1 ³		
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4 ¹	1
ELEC 316	Developmental Formal and Informal Assessments ¹	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4 ¹	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers ¹	3
SPED 350	Universal Intervention	3
Subtotal		13
Block 2 ³		
Must complete Block 1 first		
ELEC 420	Early Childhood Field Experience ¹	3
ELEC 460	Instructional Strategies for Science and Technology ¹	3
ELEC 470	Social Studies & Citizenship ¹	3
ELEC 480	Assessment for Differentiation of Literacy Instruction ¹	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Subtotal		15
Block 3		
Must complete blocks 1 and 2 first		
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners ¹	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners ¹	3
SPED 433	Assessment Strategies in Special Education ¹	3
SPED 434	Professional Collaboration and Ethical Practices ¹	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Subtotal		18
Student Teaching		
All previously listed coursework must be completed prior to Student Teaching		
ELEC 455	Student Teaching: Early Childhood ¹	6

or CIEL 455	Student Teaching: Elementary or Secondary School	
SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education ¹	6
or ELEC 475	International Student Teaching: Early Childhood	
Subtotal		13
Total Hours		98

¹ Course counts for 50% of Major requirements but not for Major GPA

² Diversity and Early Literacy blocks can be taken in any order, but not at the same time. You must enroll in all courses within the block.

³ Blocks 1, 2, and 3 must be taken in sequence and completed prior to Student Teaching. No two blocks below can be taken together. You must enroll in all courses within the block.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs
2. High-Impact Practice (HIP) designated classes
3. Student-Faculty research and Student Leadership development
4. Career Education and Development
5. Internships/Field Experiences
6. Student teaching (required)

Important Information

Prerequisites for Admission to Teacher Candidacy

- Grades below a "C" are not admissible.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200	Child Development Typical	3
or CDEV 248	Human Development and Education	
ELEC 230	Field-Based Child Development Typical	3
Math Requirement for BS in Education		
Prior to Admission to Teacher Candidacy. Minimum grade of "D" required.		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Total Hours		24

BSED Early Childhood (PK-4)/Special Education (PK-12) Grade Requirements

- Grades in each of the following courses must be "C" or better to qualify for Student Teaching and/or Graduation

Code	Title	Hours
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200 or CDEV 248	Child Development Typical Human Development and Education	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237 or CIEL 326	ELL Strategies and Practice for Early Childhood Education Teaching Multi Language Learners	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 285	Integrating Creative Expression through the Arts	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316 or CIEL 316	Developmental Formal and Informal Assessments Diagnostic, Formative, and Summative Assessment Strategies	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
ELEC 348 or CIEL 348	Leadership, Advocacy & Program Development Educational Leadership, Advocacy & Program Development	3
ELEC 420	Early Childhood Field Experience	3
ELEC 455 or CIEL 455	Student Teaching: Early Childhood Student Teaching: Elementary or Secondary School	12
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
PHED 243 or DANC 223	Educational Movement in Health & Wellness Creative Dance for Children	3
SPED 121	Overview of Special Education	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities	3
SPED 245	Technology in Special Education	3
SPED 350	Universal Intervention	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro- Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3

SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education	3-12

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Early Childhood (PK-4)/Special Education (K-8) BSED - (1192)

Effective Fall 2023

Revised 02.17.2026

UCC 01.17.2026

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SPED 121	Overview of Special Education	3
ELEC 100	Early Childhood Education Theory & Practice	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
SPED 222	Introduction to Special Education Law	3
ELEC 200	Child Development Typical	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		18
Second Year		
Fall		
SPED 230	Early Intervention Practices for Students with Disabilities	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 281	Family and Community Diversity and Partnerships	3

MATH 310	Mathematics for Elementary Teachers II	3
SCI 101	Science of Life	3
Hours		18
Spring		
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 285	Integrating Creative Expression through the Arts	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
SOWK 105	Human Diversity	3
SPED 245	Technology in Special Education	3
Hours		18
Third Year		
Fall		
SPED 350	Universal Intervention	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
PHED 243	Educational Movement in Health & Wellness	3
Hours		16
Spring		
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
ELEC 348	Leadership, Advocacy & Program Development	3
ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3
Hours		18
Fourth Year		
Fall		
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3

SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Hours		18
Spring		
SPED 440	Seminar in Special Education	1
SPED 455 or ELEC 475	Student Teaching - Special Education or International Student Teaching: Early Childhood	6
ELEC 455	Student Teaching: Early Childhood	6
Hours		13
Total Hours**		135

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 1192
Revised: 09.23.2025

Early Childhood Education (PK-4)/ Special Education (PK-12), Bachelor of Science in Education (BSED) - Concentration in International Education

Students who elect to complete Early Childhood Ed (PK-4)/Special Education (PK-12) - International Education will choose from already established rock studies courses that focus on international and global perspectives. They will also complete a care break, spring break trip, or field experience in an international setting. The capstone will be the completion of an international student teaching experience.

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

The mission of the International concentration is to equip, inspire and empower teacher candidates by providing them opportunities to develop their personal and professional global awareness; to deepen their understanding of culturally responsive teaching and to experience international teaching in order to be prepared for teaching in the 21st century.

PROGRAM LEARNING OUTCOMES

Program Student Learning Outcome 1 – Child Development and Learning
Pre-service teachers will understand how children develop intellectually, socially, emotionally, and physically and will use this knowledge to design meaningful and developmentally appropriate instruction.

Aligned SRU Outcomes: 2 (Apply critical thinking to argument and problem solving), 5 (Develop as a whole person)

Program Student Learning Outcome 2 – Diversity, Equity, and Cultural Responsiveness

Pre-service teachers will demonstrate respect for diversity and the ability to create inclusive, culturally responsive classrooms that support learners of varied linguistic, cultural, and socioeconomic backgrounds.

Aligned SRU Outcomes: 8 (Act ethically), 9 (Develop a worldview that acknowledges diversity and global interdependence), 7 (Be civically engaged)

Program Student Learning Outcome 3 – Professional Knowledge of Special Education Foundations

Candidates will demonstrate knowledge of the historical, philosophical, and legal foundations of special education, including IDEA, Section 504, and Chapter 14, and will apply this knowledge to protect students' rights and promote access in the least restrictive environment.

Aligned SRU Outcomes: 8 (Act ethically), 5 (Develop as a whole person)

Program Student Learning Outcome 4 – Assessment and Data-Driven Decision Making

Candidates will select, administer, interpret, and apply multiple forms of assessment to make data-informed instructional and behavioral decisions within a multi-tiered system of support.

Aligned SRU Outcomes: 2 (Apply critical thinking to argument and problem solving), 4 (Apply quantitative reasoning in appropriate contexts)

Program Student Learning Outcome 5 – Instructional Design and Evidence-Based Practice

Pre-service teachers will design, implement, and evaluate evidence-based instruction in literacy, mathematics, and content areas that meets individual learner needs and is aligned with state standards.

Aligned SRU Outcomes: 2 (Apply critical thinking), 5 (Develop as a whole person)

Program Student Learning Outcome 6 – Classroom Management and Positive Behavior Support

Candidates will establish and maintain safe, inclusive learning environments by applying positive behavior interventions and supports, data-based decision making, and social-emotional learning practices.

Aligned SRU Outcomes: 5 (Develop as a whole person), 8 (Act ethically)

Program Student Learning Outcome 7 – Collaboration and Communication

Pre-service teachers will collaborate effectively with families, educators, related service providers, and community agencies to plan and implement educational programs for all learners.

Aligned SRU Outcomes: 1 (Act as effective communicators), 7 (Be civically engaged), 9 (Develop a worldview that acknowledges diversity)

Program Student Learning Outcome 8 – Technology and Accessibility

Candidates will integrate assistive and instructional technologies to enhance engagement, accessibility, and learning outcomes for all students, including those with disabilities.

Aligned SRU Outcomes: 10 (Act as responsible digital citizens), 5 (Develop as a whole person)

Program Student Learning Outcome 9 – Transition and Lifespan Development

Candidates will plan and support transitions across educational and developmental stages, including early childhood to elementary and secondary to post-school outcomes, promoting self-determination and independence for students with disabilities.

Aligned SRU Outcomes: 5 (Develop as a whole person), 7 (Be civically engaged)

Program Student Learning Outcome 10 – Professionalism, Ethics, and Lifelong Learning

Pre-service teachers will demonstrate ethical conduct, reflective practice, and a commitment to continuous professional growth aligned with state and national standards for the teaching profession.

Aligned SRU Outcomes: 5 (Develop as a whole person), 8 (Act ethically)

Related Links

Early Childhood Education (PK-4)/Special Education (PK-12) - International Education, BSED Program Page (<https://www.sru.edu/academics/majors-and-minors/early-childhood/-special-education-international-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

- GPA must be 3.0 or higher for Teacher Candidacy.
- A 3.0 GPA and passing subject area assessment (PECT) or A 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification.
- Students must complete 50% of credits required for the Major from a PASSHE university.

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	98

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Additional Rock Studies 2 Requirements (12 credits)		
MATH 310	Mathematics for Elementary Teachers II ²	3
PHED 243	Educational Movement in Health & Wellness ²	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education ²	3
Select One of the Following:		3
SOWK 105	Human Diversity	
GES 201	Latin America and the Caribbean	
HIST 351	Latin America to 1830	
HIST 352	Latin America Since 1830	
POLI 370	Latin American Politics and Development	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Required as per PA Department of Education Certification Policy.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 49 major credits must be taken at SRU or PASSHE
- 49 major credits must be taken at the 300 level or above

Code	Title	Hours
Early Childhood Education Courses		
ELEC 100	Early Childhood Education Theory & Practice ^{1,2}	3
ELEC 200	Child Development Typical ^{1,2}	3
or CDEV 248	Human Development and Education	
PHED 243	Educational Movement in Health & Wellness ¹	3

or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education ^{1,2}	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities ^{1,2}	3
SPED 245	Technology in Special Education	3
Subtotal		21
Diversity Block		
ELEC 230	Field-Based Child Development Typical ^{1,2}	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education ^{1,2}	3
or CIEL 326	Teaching Multi Language Learners	
ELEC 281	Family and Community Diversity and Partnerships ^{1,2}	3
Subtotal		9
Early Literacy Block		
ELEC 238	Literacy Practices for the Emergent Learner, PK-1 ^{1,2}	3
ELEC 285	Integrating Creative Expression through the Arts ^{1,2}	3
Subtotal		6
Early Childhood Major Courses		
Must be admitted to College of Education and complete both Diversity and Literacy Blocks.		
Block 1		
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4 ^{1,2}	1
ELEC 316	Developmental Formal and Informal Assessments ^{1,2}	3
or CIEL 316	Diagnostic, Formative, and Summative Assessment Strategies	
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4 ^{1,2}	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers ^{1,2}	3
SPED 350	Universal Intervention	3
Subtotal		13
Block 2		
Must complete Block 1 first		
ELEC 420	Early Childhood Field Experience ^{1,2}	3
ELEC 460	Instructional Strategies for Science and Technology ^{1,2}	3
ELEC 470	Social Studies & Citizenship ^{1,2}	3
ELEC 480	Assessment for Differentiation of Literacy Instruction ^{1,2}	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Subtotal		15
Block 3		
Must complete Blocks 1 and 2 first		
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners ^{1,2}	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners ^{1,2}	3

SPED 433	Assessment Strategies in Special Education ^{1,2}	3
SPED 434	Professional Collaboration and Ethical Practices ^{1,2}	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Subtotal		18
Student Teaching		
All previously listed coursework must be completed prior to Student Teaching		
ELEC 405	Overview of and Immersion in Global Education	3
ELEC 455 or CIEL 455	Student Teaching: Early Childhood ^{1,2,3} Student Teaching: Elementary or Secondary School	6
SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education ^{1,2}	6
Other: Must complete one study abroad program or other global experience approved by international program coordinators.		
Subtotal		16
Total Hours		98

¹ Course counts for 50% of Major requirements but not for Major GPA

² Grade of "C" or better must be earned in this course to qualify for Student Teaching and/or graduation.

³ Students not in the International Concentration may still student teach abroad.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs
2. High-Impact Practice (HIP) designated classes
3. Student-Faculty research and Student Leadership development
4. Career Education and Development
5. Internships/Field Experiences
6. Student teaching (required)

Important Information

Prerequisites for Admission to Teacher Candidacy

- Minimum grade of "C" required.

Code	Title	Hours
Basic Courses		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200 or CDEV 248	Child Development Typical Human Development and Education	3
ELEC 230	Field-Based Child Development Typical	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

Math Requirement for BS in Education

Prior to Admission to Teacher Candidacy

Minimum grade of "D" required.

MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3

Total Hours **24**

BSED Early Childhood (PK-4)/Special Education (PK-12) Grade Requirements

- Grades in each of the following courses must be "C" or better to qualify for Student Teaching and/or Graduation

Code	Title	Hours
ELEC 100	Early Childhood Education Theory & Practice	3
ELEC 200 or CDEV 248	Child Development Typical Human Development and Education	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237 or CIEL 326	ELL Strategies and Practice for Early Childhood Education Teaching Multi Language Learners	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 285	Integrating Creative Expression through the Arts	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316 or CIEL 316	Developmental Formal and Informal Assessments Diagnostic, Formative, and Summative Assessment Strategies	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
ELEC 405	Overview of and Immersion in Global Education	3
ELEC 420	Early Childhood Field Experience	3
ELEC 455 or CIEL 455	Student Teaching: Early Childhood Student Teaching: Elementary or Secondary School	12
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction	3

PHED 243	Educational Movement in Health & Wellness	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities	3
SPED 245	Technology in Special Education	3
SPED 350	Universal Intervention	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education	3-12

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Early Childhood Education PK-4 - BSED (1192)

Concentration in International (INTE)

This program is effective as of Summer 2023

Revised 02.17.2026

UCC 01.17.2026

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SPED 121	Overview of Special Education	3
ELEC 100	Early Childhood Education Theory & Practice	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SCI 101	Science of Life	3
SUBJ 139	Foundations of Academic Discovery	3
Hours		16

Spring

SPED 222	Introduction to Special Education Law	3
ELEC 200	Child Development Typical	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Creative & Aesthetic Inquiry (p. 19)		3
Hours		18

Second Year

Fall

Diversity Block		
SPED 230	Early Intervention Practices for Students with Disabilities	3
ELEC 230	Field-Based Child Development Typical ²	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education ²	3
ELEC 281	Family and Community Diversity and Partnerships ²	3
MATH 310	Mathematics for Elementary Teachers II	3
Humanities Inquiry (p. 19)		3
Hours		18

Spring

Early Literacy Block		
SPED 245	Technology in Special Education	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1 ²	3
ELEC 285	Integrating Creative Expression through the Arts ²	3
SCI 102	Understanding the Physical World	3
SOWK 105	Human Diversity	3
Social Science Inquiry (p. 19)		3
Hours		18

Third Year

Fall

Block I		
SPED 350	Universal Intervention	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
PHED 243 or DANC 223	Educational Movement in Health & Wellness or Creative Dance for Children	3
Hours		16

Spring

Block II		

SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
ELEC 348	Leadership, Advocacy & Program Development	3
ELEC 420	Early Childhood Field Experience	3
ELEC 460	Instructional Strategies for Science and Technology	3
ELEC 470	Social Studies & Citizenship	3
ELEC 480	Assessment for Differentiation of Literacy Instruction ^{2,5}	3
Hours		18

Fourth Year**Fall****SPED ProSem**

SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Hours		18

Spring**Student Teaching**

SPED 440	Seminar in Special Education	1
SPED 455 or ELEC 475	Student Teaching - Special Education (Ireland/Mexico) or International Student Teaching: Early Childhood	6
ELEC 455	Student Teaching: Early Childhood	6

Hours **13****Total Hours**** **135**

² Early Literacy and Diversity Block can be done either semester. Blocks I and II must be completed in sequence.

* Students are encouraged to take ESAP 101 as a Free Elective.

Must complete 1 spring break, care break, or early field experience in an international setting.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1192

Concentration: INTE

Revised date: 09.23.2025

Special Education (K-12), Bachelor of Science in Education (BSED)

Related Links

Special Education (K-12), BSED Program Page ([https://www.sru.edu/academics/majors-and-minors/special-education-\(k-12/\)](https://www.sru.edu/academics/majors-and-minors/special-education-(k-12/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA must be 3.0 or higher for Teacher Candidacy.

A 3.0 GPA and passing subject area assessment (PECT) or a 2.8 GPA and a *qualifying* passing subject area assessment (PECT) score (as determined by PDE) is required for certification,

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		84

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I ²	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Additional Rock Studies 2 Requirements (12 credits)

MATH 310	Mathematics for Elementary Teachers II ²	3
PHED 243	Educational Movement in Health & Wellness ²	3
SOWK 105	Human Diversity	3
SPED 121	Overview of Special Education ²	3
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Required as per PA Department of Education Certification Policy.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Foundation Courses		
ELEC 200	Child Development Typical	3
PHED 243	Educational Movement in Health & Wellness ²	3
or DANC 223	Creative Dance for Children	
SPED 121	Overview of Special Education ²	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities	3
SPED 245	Technology in Special Education	3
Subtotal ²		18
ELEC Courses		
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
Subtotal		12
Block 1		

Block 1 must be taken before Special Education Core courses and you must enroll in all courses within the block

ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
SPED 350	Universal Intervention	3
Subtotal		13

Special Education Core

SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Subtotal		21

Education Electives

Select seven credits from the following:		7
ELEC 410	Culture and Politics of American Education	
SEFE 420	American Education in the Twenty-First Century: A Comparative Perspective	
SPAN 110	Spanish for Educators	
SPED 220	The Nature and Needs of Autism Spectrum Disorders	
SPED 341	Transition Across the Lifespan	
SPED 343	Americans with Disabilities	
SPED 353	Teaching in an Area of High Need	
Subtotal		7

Student Teaching

All previously listed coursework must be completed prior to Student Teaching

SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education	12
Subtotal		13
Total Hours		84

¹ ELEC courses required by PDE Guidelines for Special Education Certification

² Course required as part of Rock Studies 2 Program and major requirements. Course credits count in Rock Studies 2 only.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Information

Prerequisites for Admission to Teacher Candidacy

- Grades below a "C" are not admissible.

Code	Title	Hours
Basic Courses		
ENGL 102	Critical Writing	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SPED 121	Overview of Special Education	3
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ENGL 104	Critical Reading	3
Math Requirement for BS in Education		
Prior to Admission to Teacher Candidacy. Minimum grade of "D" required.		
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Total Hours		24

Special Education (PK-12) Grade Requirements

- Grades in each of the following courses must be "C" or better to qualify for Student Teaching and/or Graduation

Code	Title	Hours
ELEC 200	Child Development Typical	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
ELEC 281	Family and Community Diversity and Partnerships	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
PHED 243	Educational Movement in Health & Wellness	3
SPED 121	Overview of Special Education	3
SPED 222	Introduction to Special Education Law	3
SPED 230	Early Intervention Practices for Students with Disabilities	3
SPED 245	Technology in Special Education	3
SPED 350	Universal Intervention	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3

SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
SPED 440	Seminar in Special Education	1
SPED 455	Student Teaching - Special Education	3-12

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Special Education (K-12) BSED - (17)

Effective Fall 2020

Revised 09.18.2025

UCC 10.27.20

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SPED 121	Overview of Special Education	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
SPED 222	Introduction to Special Education Law	3
ELEC 200	Child Development Typical	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
SOWK 105	Human Diversity	3
Hours		15
Second Year		
Fall		
SPED 230	Early Intervention Practices for Students with Disabilities	3
ELEC 230	Field-Based Child Development Typical	3
ELEC 237	ELL Strategies and Practice for Early Childhood Education	3
ELEC 281	Family and Community Diversity and Partnerships	3

MATH 210	Mathematics for Elementary Teachers I	3
Hours		15

Spring

ELEC 238	Literacy Practices for the Emergent Learner, PK-1	3
MATH 310	Mathematics for Elementary Teachers II	3
PHED 243 or DANC 223	Educational Movement in Health & Wellness or Creative Dance for Children	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Hours		15

Third Year**Fall**

SPED 350	Universal Intervention	3
ELEC 311	Mathematics & Literacy Teaching Lab Pre K - 4	1
ELEC 316	Developmental Formal and Informal Assessments	3
ELEC 330	Literacy Practices for the Developing Learner, Grades 2 - 4	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16

Spring

SPED 245	Technology in Special Education	3
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	3
Education Electives		3
Education Electives		3
Education Electives		1-3
Hours		13-15

Fourth Year**Fall**

SPED 431	Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners	3
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	3
SPED 433	Assessment Strategies in Special Education	3
SPED 434	Professional Collaboration and Ethical Practices	3
SPED 435	Processes and Procedures in Special Education	3
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	3
Hours		18

Spring

SPED 440	Seminar in Special Education	1

SPED 455	Student Teaching - Special Education	12
Hours		13
Total Hours**		121-123

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 17
Revised 09.23.2025

Special Education Transition Programming, Bachelor of Science (BS)

Related Links

Special Education Transition Programming, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/special-education-transition-programming/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		60
Electives		18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 210	Mathematics for Elementary Teachers I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Subtotal	15
Integrated Inquiry	
<i>Creative and Aesthetic Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Additional Rock Studies 2 Requirements (12 credits)	
MATH 310 Mathematics for Elementary Teachers II ²	3
PHED 243 Educational Movement in Health & Wellness ²	3
SOWK 105 Human Diversity	3
SPED 121 Overview of Special Education ²	3
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject

² Indicates coursework required for the ELEC Major as per PA Dept. of Education Certification Policy.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Foundation Courses		
SPED 121	Overview of Special Education ¹	3
SPED 122	Low Incidence Disabilities ¹	3
SPED 230	Early Intervention Practices for Students with Disabilities ¹	3

ELEC 200	Child Development Typical ¹	3
PHED 227	Introduction to Adapted Physical Activity	3

Core Professional Courses

SPED 220	The Nature and Needs of Autism Spectrum Disorders ¹	3
SPED 341	Transition Across the Lifespan ¹	3
SPED 342	Building Community Partnerships ¹	3
SPED 343	Americans with Disabilities ¹	3
PHED 353	Adapted Physical Activity and Health Through the Lifespan	3
PHED 485	Fundraising/Grant Writing in Adapted Physical Activity ¹	3

Professional Semester Block

These courses are taken together during the semester before internship:

SPED 245	Technology in Special Education ¹	3
SPED 346	Assessment in Transition Planning ¹	3
SPED 347	Management & Leadership ¹	3
SPED 410	Transition Practicum ¹	3
PHED 460	Program Design in Adapted Physical Activity ¹	3

Internship

SPED 450	Transition Internship ¹	12

Total Hours **60**

¹ Course counts for 50% Major requirement and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research and student leadership development
4. Career education and development
5. Internships/Field Experiences
6. Student teaching (required)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Special Education Transition Programming - BS (1793) / CIM 398

This program is effective as of Fall 2019.
 Revised 09.18.2025
 UCC 2.5.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
SPED 121	Overview of Special Education	3
SUBJ 139	Foundations of Academic Discovery	3
Rock Studies 2 Requirements (p. 19)		6
Hours		15
Spring		
Civil Discourse - Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SPED 122	Low Incidence Disabilities	3
Rock Studies 2 Requirements (p. 19)		9
Hours		15
Second Year		
Fall		
ELEC 200	Child Development Typical	3
GERT 265	Aging and the Older Person	3
SPED 230	Early Intervention Practices for Students with Disabilities	3
SPED 343	Americans with Disabilities	3
Elective		3
Hours		15
Spring		
PHED 227	Introduction to Adapted Physical Activity	3
NLPA 101	Introduction to Nonprofit Management	3
SPED 341	Transition Across the Lifespan	3
Elective		3
Rock Studies 2 Requirements (p. 19)		3
Hours		15
Third Year		
Fall		
Elective		3
PHED 353	Adapted Physical Activity and Health Through the Lifespan	3
PHED 485	Fundraising/Grant Writing in Adapted Physical Activity	3
SPED 342	Building Community Partnerships	3
Global Community-Non-US Global		3
Hours		15
Spring		
Elective		3
ENGL 104	Critical Reading	3
NLPA 120	Civic Engagement and Community Decision-Making	3

SPED 220	The Nature and Needs of Autism Spectrum Disorders	3
Rock Studies 2 Requirements (p. 19)		3
Hours		15
Fourth Year		
Fall		
PHED 460	Program Design in Adapted Physical Activity	3
SPED 245	Technology in Special Education	3
SPED 346	Assessment in Transition Planning	3
SPED 347	Management & Leadership	3
SPED 410	Transition Practicum	3
Hours		15
Spring		
SPED 450	Transition Internship	12
Elective		3
Hours		15
Total Hours**		120

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 1793
 Concentration Code:
 Revised date: 09.23.2025

Special Education, Minor

In this minor program, students seeking to become educators and/or community-based program coordinators will learn strategies for working with individuals with a wide range of learning, mental, and physical, abilities and levels of functioning in both the classroom and community-based settings.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Foundation Courses		
SPED 121	Overview of Special Education	3

SPED 222	Introduction to Special Education Law	3
Elective Courses		
Select four of the following:		12
SPED 220	The Nature and Needs of Autism Spectrum Disorders	
SPED 230	Early Intervention Practices for Students with Disabilities	
SPED 245	Technology in Special Education	
SPED 315	Special Education Issues in Diverse Secondary Classrooms	
SPED 341	Transition Across the Lifespan	
SPED 343	Americans with Disabilities	
SPED 350	Universal Intervention	
SPED 353	Teaching in an Area of High Need	
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners	
SPED 432	Intensive ELA Interventions for Neuro-Diverse Learners	
SPED 436	Intensive Mathematics Interventions for Neuro-Diverse Learners	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN SPECIAL EDUCATION (88D)

This program is effective as of Summer 2019.

Revised 10.28.2021

UCC 02.04.20

College of Engineering and Science

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The following academic programs and units are in the College of Engineering and Science:

- Biology (p. 189)
- Chemistry (p. 264)
- Computer Science (p. 293)
- Engineering (p. 313)
- Environmental Geosciences (p. 332)
- Homeland Security and Corporate Security (p. 360)
- Mathematics and Statistics (p. 371)
- Parks and Resource Management (p. 384)
- Physics (p. 387)

Biology

Programs

Majors

- Biology, Bachelor of Arts (BA) (p. 190)
- Biology, Bachelor of Arts (BA) - Pre-Master of Education (7-12) (p. 194)
- Biology, Bachelor of Science (BS) - Concentration in Cellular and Molecular Biology (p. 198)
- Biology, Bachelor of Science (BS) - Concentration in Cellular and Molecular Biology - Concentration in Bioinformatics (p. 201)
- Biology, Bachelor of Science (BS) - Concentration in Conservation Biology (p. 205)
- Biology, Bachelor of Science (BS) - Concentration in Histotechnology (p. 208)
- Biology, Bachelor of Science (BS) - Concentration in Integrative Biology (p. 210)
- Biology, Bachelor of Science (BS) - Concentration in Integrative Biology / Pre-Master of Education (7-12) (p. 213)
- Biology, Bachelor of Science (BS) - Concentration in Medical Technology (p. 217)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions (p. 220)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Antigua Medicine (4+4) (p. 224)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Chiropractic (Logan) (3+3) (p. 228)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Chiropractic (Palmer) (3+3) (p. 230)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Dental (LECOM) (4+4) (p. 233)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Dental (WVU) (4+4) (p. 237)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Osteopathy (LECOM) (4+4) (p. 240)

- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physical Therapy (SRU) (3+3) (p. 244)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physical Therapy (SRU) (Traditional) (p. 248)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physician Assistant (SRU) (3+2) (p. 251)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physician Assistant (SRU) (Traditional) (p. 255)
- Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Podiatry (LECOM) (4+4) (p. 259)

Minors

- Biology, Minor (p. 262)
- Marine Science, Minor (p. 263)

Biology, Bachelor of Arts (BA)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/biology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Modern Language Requirement	0-9

Other Basic Requirements	0-3
Major/Concentration Requirements	42
Natural Science and Math College-Wide Requirements	12
Electives	25

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students should complete all 200-level Biology requirements by the end of their sophomore year.
- Student must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab ^{1,4}	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
Subtotal		15
Required Upper-Level Biology		
BIOL 305	Wetlands and Aquatic Plants/Lab	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 401	Ecology with Lab	
BIOL 310	Plant Diversity with Lab	3
or BIOL 312	Zoology with Lab	
or BIOL 314	Parasitology with Lab	
or BIOL 330	Microbiology/Lab	

or BIOL 340	Vertebrate Anatomy with Lab	
or BIOL 360	Field Botany	
or BIOL 410	Animal Physiology with Lab	
or BIOL 451	Plant Physiology/Lab	
BIOL 316	Immunology with Lab	3
or BIOL 335	Cell Biology	
or BIOL 370	Molecular Biology	
BIOL 350	Evolution	3
BIOL 492	Biology Seminar ¹	1
Subtotal		13
Additional Biology Electives		
Select three credits from courses not chosen above, or any biology elective course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology. ²		3
Upper-Level Electives (p. 192)		
Subtotal		3
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Independent Study/Internship Options		
Select one of the following options:		3
<i>Independent Study or Internship Option</i>		
BIOL 450	Biology Internship	
or BIOL 490	Independent Study	
<i>Non-Independent Study or Internship Option</i>		
Select 3 credits, not chosen above, from Additional Biology Electives below.		
Total Hours		42

¹ Course counts for 50% of Major and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

³ Course counts in Core GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Total Hours		12

Electives

Code	Title	Hours
Recommended by the Biology Department		
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1

Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 330	Microbiology/Lab ¹	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology ¹	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology ¹	3
BIOL 401	Ecology with Lab ¹	3
BIOL 402	Biogeography/Lab ¹	3

BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab ¹	3
BIOL 470	Histology with Lab ¹	3
BIOL 490	Independent Study	1-3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 350	Physiology of Marine Invertebrates	3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 458	Exploration Methods in Marine Geology ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-

earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BA (6 08) / CIM 70

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15
Spring		
ENGL 104	Critical Reading	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14
Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
Language 101		3
Required Upper-Level Biology Course		3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Third Year

Fall

Language 102	3
Required Upper-Level Biology Course	3
Required Upper-Level Biology Course	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Hours	15

Spring

Elective		3
MATH 225	Calculus I	4
or MATH 125	or Precalculus	
Language 103		3
Required Upper-Level Biology Course		3
Elective with DEI attribute		3
Hours		16

Fourth Year

Fall

PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
Required Upper-Level Biology Course		3
Elective		3
Elective		3
Elective		2
Hours		15

Spring

BIOL 492	Biology Seminar	1
Select one of the following:		3
BIOL 450	Biology Internship	
BIOL 490	Independent Study	
BIOL 300+	Upper Level BIOL Elective	
Thematic Thread Requirement (p. 19)		3
Elective		3
Elective		3
Elective		3
Hours		16
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6 08

Revised date: 11.20.2025

Biology, Bachelor of Arts (BA) - Pre-Master of Education (7-12)

Students seeking state certification in secondary education must also complete requirements for a Master of Education degree, a one-year program at SRU. All of our programs are designed to steadily develop the quantitative, deductive and inductive reasoning skills that biologists must have.

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

Requirements for the Certification

Teacher certification is earned through the master of education degree at Slippery Rock University. Students seeking secondary school teaching certification in biology must earn a bachelor of arts or a bachelor of science degree in biology and contact the Department of Secondary Education/Foundations of Education concerning its graduate program in education. Information about this program, including prerequisites for admission, may be obtained from the Secondary Education/Foundations of Education office in 114 McKay Education Building.

PROGRAM LEARNING OUTCOMES

- Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Masters of Education, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-masters-of-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
 Overall GPA: 2.0 or higher
 Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Natural Science and Math College-Wide Requirements	12
	Electives	25

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students should complete all 200-level Biology requirements by the end of their sophomore year.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab ^{1,4}	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
Subtotal		15

Required Upper-Level Biology

BIOL 305	Wetlands and Aquatic Plants/Lab	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 401	Ecology with Lab	
BIOL 310	Plant Diversity with Lab	3
or BIOL 312	Zoology with Lab	
or BIOL 314	Parasitology with Lab	
or BIOL 330	Microbiology/Lab	
or BIOL 340	Vertebrate Anatomy with Lab	
or BIOL 360	Field Botany	
or BIOL 410	Animal Physiology with Lab	
or BIOL 451	Plant Physiology/Lab	
BIOL 316	Immunology with Lab	3
or BIOL 335	Cell Biology	
or BIOL 370	Molecular Biology	
BIOL 350	Evolution	3
BIOL 492	Biology Seminar ¹	1
Subtotal		13

Additional Biology Electives

Select 3 credits from courses not chosen above, or any biology elective course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology. ²

Upper-Level Electives (p. 196)	
Subtotal	3

Related Sciences – Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8

Independent Study/Internship Options

Select one of the following options: **3**

Independent Study or Internship Option

BIOL 450	Biology Internship
or BIOL 490	Independent Study

Non-Independent Study or Internship Option

Select 3 credits, not chosen above, from Additional Biology Electives below.

Total Hours	42

¹ Course counts for 50% of Major and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

³ Course counts in Core GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Recommended Courses for Biology Pre-Masters in Education Courses

Listed below are the recommended courses for Biology Pre-Masters of Education majors. You will need to take these courses prior to obtaining your M. Ed.

Code	Title	Hours
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SPED 121	Overview of Special Education	3
One EGEO with Lab		3
Two Math courses (one must be Calculus)		6
Must take the following as part of your upper class Biology Electives:		
BIOL 370	Molecular Biology	
BIOL 401	Ecology with Lab	
BIOL 410	Animal Physiology with Lab	

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 211	General Physics I with Lab	
Total Hours		12

Electives

Code	Title	Hours
Recommended by the Biology Department		
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3

BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 330	Microbiology/Lab ¹	3
BIOL 331	Mammology/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology ¹	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology ¹	3
BIOL 401	Ecology with Lab ¹	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab ¹	3
BIOL 470	Histology with Lab ¹	3
BIOL 490	Independent Study	1-3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 260	Marine Ecology	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3

MRSC 345	Ornithology ¹	3
MRSC 345	Ornithology	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 458	Exploration Methods in Marine Geology ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ²	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BA (6 08) / CIM 71

w/ optional Pre Masters in Education (7-12) (PX)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15

Spring

ENGL 104	Critical Reading	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Language 101		3
Hours		14

Second Year

Fall

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Language 102		3
Declare a Thematic Thread ²		
Hours		14

Spring

Language 103		3
BIOL 325	Biostatistics and Experimental Design with Lab	3
Creative & Aesthetic Inquiry (p. 19)		3
MATH 125 or MATH 225	Precalculus or Calculus I	4
Hours		13

Third Year

Fall

Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
BIOL 370	Molecular Biology ³	3
SPED 121	Overview of Special Education	3
PHYS 201 or PHYS 211	Elements of Physics I with Lab or General Physics I with Lab	4
Hours		16

Spring

Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
EGEO/Lab		3
BIOL 300+	Upper Level BIOL Elective	3
Free Elective		3
Hours		15

Fourth Year

Fall

Thematic Thread Requirement (p. 19)		3
BIOL 401	Ecology with Lab	3
BIOL 410	Animal Physiology with Lab ³	3
Free Elective		3
Free Elective		2
2nd Math Course		3

Hours

17

Spring		
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Thematic Thread Requirement (p. 19)		3
BIOL 300+	Upper Level BIOL Elective	3
Free Elective		3
Free Elective		3
BIOL 492	Biology Seminar	1
Hours		16
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Recommended BIOL 300+ Upper Level Elective

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6 08
Concentration Code: PX
Revised date: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Cellular and Molecular Biology

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Cellular and Molecular Biology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-biomedical-sciences/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Natural Science and Math College-Wide Requirements		12
Electives		15

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125 or MATH 225	Precalculus Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4

Subtotal	17
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 335	Cell Biology ¹	3
BIOL 370	Molecular Biology ¹	3

BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 350	Evolution ¹	3
BIOL 492	Biology Seminar ¹	1
Choose Either		
BIOL 410	Animal Physiology with Lab ¹	3
or BIOL 451	Plant Physiology/Lab	
or BIOL 330	Microbiology/Lab	
Subtotal:		16
Upper-Level Biology Electives		
Select 6 credits in BIOL or MARS course from Additional Upper-Level Biology Electives that have not been used above.		6
Upper-Level Biology Electives (p. 200) ¹		
Subtotal:		6
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Related Sciences – Chemistry Advanced Elective		
CHEM 202	Organic Chemistry II ²	3
CHEM 212	Organic Chemistry Laboratory II ²	1
CHEM 335	Biochemistry I ²	3
CHEM 336	Biochemistry Laboratory I ²	1
Subtotal		8
Related Sciences - Physics		
Select one of the following:		4
PHYS 202	Elements of Physics II/ Lab ¹	
PHYS 217	University Physics 2 with Lab ¹	
Subtotal		4
Independent Study/Internship Options		
Select one of the following options:		3
<i>Independent Study Option</i>		
BIOL 490	Independent Study ¹	
or BIOL 450	Biology Internship	
<i>Non-Independent Study Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives that have not been used above. ¹		
Upper-Level Biology Electives (p. 200) ¹		
Subtotal		3
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1

MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II ¹	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab ¹	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 330	Microbiology/Lab	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology ¹	3
BIOL 390	Experimental	1-3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology ¹	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 410	Animal Physiology with Lab	3
BIOL 411	Population Biology/Lab	3
BIOL 412	Population Biology ¹	3

BIOL 430	Pathogenic Microbiology ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 490	Independent Study	1-3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108) / CIM 72

Concentration in Cellular and Molecular Biology (CEMB)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ESAP 101	FYRST Seminar ⁸	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14
Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
Select one of the following:		4
CHEM 202/212	Organic Chemistry II	
BIOL 300+	Upper Level BIOL Elective	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Third Year		
Fall		
BIOL 340	Vertebrate Anatomy with Lab	3
CHEM 335	Biochemistry I	3
or CHEM 350	or Analytical Chemistry	
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Hours		12

Spring

BIOL 330	Microbiology/Lab	3
BIOL 335	Cell Biology	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
MATH 125 or MATH 225	Precalculus or Calculus I	4
Elective		3
Hours		16

Fourth Year

Fall

PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 401	Ecology with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Elective with DEI attribute		3
Hours		16

Spring

BIOL 450	Biology Internship	3
BIOL 490	Independent Study ³	3
BIOL 492	Biology Seminar	1
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
Elective		4
Hours		15
Total Hours**		118

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ or BIOL 300+:Upper Level BIOL Elective

* Students are encouraged to take ESAP 101 as a Free Elective.

Major/Concentration: 6108/CEMB

Revised date: 9.23.2025

Biology, Bachelor of Science (BS) - Concentration in Cellular and Molecular Biology - Concentration in Bioinformatics

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems

- Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Cellular and Molecular Biology - Bioinformatics, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-bioinformatics-and-computational-biology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major Requirements/Concentration		76
Natural Science and Math College-Wide Requirements		12
Electives		15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	University Seminar ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "B" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 335	Cell Biology ¹	3
BIOL 350	Evolution ¹	3
BIOL 370	Molecular Biology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 492	Biology Seminar ¹	1
Subtotal		16
Upper-Level Biology Electives		
Select 6 credits in BIOL or MARS course from Additional Upper-Level Biology Electives that have not been used above.		6
Upper-Level Electives (p. 203) ¹		
Subtotal		6
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Related Sciences – Chemistry Advanced Elective		
CHEM 202	Organic Chemistry II ²	3
CHEM 212	Organic Chemistry Laboratory II ²	1
CHEM 335	Biochemistry I ²	3
CHEM 336	Biochemistry Laboratory I ²	1
Related Sciences – Physics		
Select one of the following:		4
PHYS 202	Elements of Physics II/ Lab ¹	
PHYS 217	University Physics 2 with Lab ¹	
Independent Study/Internship Options		
Select one of the following options:		3
<i>Independent Study Option</i>		
BIOL 490	Independent Study ¹	
or BIOL 450	Biology Internship	
<i>Non-Independent Study Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives that have not been used above.		
Upper-Level Biology Electives (p. 203) ¹		
Subtotal		15
Total Hours		60

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Concentration in Bioinformatics Requirements

Code	Title	Hours
CPSC 146	Programming Principles	3
CPSC 246	Object-Oriented Programming	3
CPSC 374	Algorithms and Data Structures	3
CPSC 480	Topics in Computer Science: Machine Learning	3
MATH 230	Calculus II	4
Total Hours		16

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 330	Microbiology/Lab	3
BIOL 331	Mammology/Lab ¹	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology ¹	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology ¹	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108) / CIM 76

Concentration in Cellular and Molecular Biology (CEMB)

w/optional Concentration in Bioinformatics (BIIF)

This program is effective as of Summer 2023

Revised 07.09.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15
Spring		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
ENGL 104	Critical Reading	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
CPSC 146	Programming Principles	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		17

Spring

BIOL 325	Biostatistics and Experimental Design with Lab	3
Select one of the following:		3
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
BIOL 300+	Upper Level BIOL Elective	
CPSC 246	Object-Oriented Programming	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours	15

Third Year**Fall**

BIOL 340	Vertebrate Anatomy with Lab	3
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry 1	3
MATH 225	Calculus I	4
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours	16

Spring

MATH 230	Calculus II	4
BIOL 330	Microbiology/Lab	3
BIOL 335	Cell Biology	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
CPSC 374	Algorithms and Data Structures	3

Hours	16

Fourth Year**Fall**

BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
BIOL 401	Ecology with Lab	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
Elective with DEI attribute		3

Hours	16

Spring

BIOL 450	Biology Internship	3
BIOL 490	Independent Study	3
BIOL 492	Biology Seminar	1
BIOL 300+	Upper Level BIOL Elective	3
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
CPSC 480	Topics in Computer Science: Machine Learning	3

Hours	17

Total Hours**	126

Major/Concentration: 6108/CEMB/BIFF

Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Conservation Biology

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Conservation Biology, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/biology/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Natural Science and Math College-Wide Requirements	12
	Electives	15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 28 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students should complete all 200-level Biology requirements by the end of their sophomore year.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20113>)) and Biology II with Lab (BIOL 114 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20114>)) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20250>)) and Biometry with Lab (BIOL 325 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20325>)) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology and PCRM Courses		
BIOL 401	Ecology with Lab	3
PCRM 204	Environmental Communication	3
PCRM 347	Interpretive Methods and Programming	3
PCRM 348	Natural History of Ecosystems I	3
PCRM 349	Natural History of Ecosystems II	3
PCRM 477	Wildlife & Wildlands Field Methods and Management	3
or BIOL 321	Wildlife Management/Lab	
Subtotal		18
Upper-Level Biology Electives		
Select 9 credits in BIOL or MARS courses from Additional Upper Level Biology Electives Below (1)		12
Select 3 credits in a Field Course (2) in Biology or MARS from the List Below		
Upper-Level Biology Electives (p. 207) ¹		
Subtotal		12
Related Sciences – Chemistry		

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Related Sciences – Physics		
Select one of the following:		
PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	
Subtotal		4
Independent Study Options		
Select one of the following options:		
<i>Independent Study Option</i>		
BIOL 490	Independent Study ¹	
or BIOL 450	Biology Internship	
<i>Non-Independent Study Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper Level Electives below.		
Upper-Level Biology Electives (p. 207) ¹		
Subtotal		3
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 211	General Physics I with Lab	

Additional Upper-Level Biology Electives¹ And Field Courses²

Code	Title	Hours
BIOL 301	Forest Ecology ^{1,2}	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ^{1,2}	3
BIOL 303	Behavioral Ecology/Lab ^{1,2}	3
BIOL 305	Wetlands and Aquatic Plants/Lab ^{1,2}	3
BIOL 306	Freshwater Biomonitoring/Lab ^{1,2}	3
BIOL 307	Vertebrate Ecology/Lab ^{1,2}	3
BIOL 308	Aquatic Ecosystem Management / Lab ^{1,2}	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ^{1,2}	3
BIOL 313	Herpetology/Lab ^{1,2}	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 317	Ecology and Fungi ^{1,2}	3
BIOL 320	Ornithology/Lab ^{1,2}	3
BIOL 321	Wildlife Management/Lab ^{1,2}	3
BIOL 322	Conservation Biology/Lab ^{1,2}	3
BIOL 323	Stream Ecology/Lab ^{1,2}	3

BIOL 326	Field Methods in Biogeography/Lab ^{1,2}	3
BIOL 327	Limnology/Lab ^{1,2}	3
BIOL 331	Mammology/Lab ^{1,2}	3
BIOL 340	Vertebrate Anatomy with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ^{1,2}	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ^{1,2}	3
BIOL 361	Flora of Western Pennsylvania ^{1,2}	3
BIOL 371	Vertebrate Field Zoology ^{1,2}	3
BIOL 373	Ichthyology/Lab ^{1,2}	3
BIOL 375	Ecology of Fish / Lab ^{1,2}	3
BIOL 380	Endocrinology ¹	3
BIOL 400	Disease Ecology ^{1,2}	3
BIOL 402	Biogeography/Lab ^{1,2}	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 312	Zoology with Lab ¹	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 412	Population Biology ^{1,2}	3
MRSC 221	Marine Invertebrates ²	3
MRSC 241	Marine Biology	3
MRSC 250	Wetland Ecology ²	3
MRSC 260	Marine Ecology ²	3
MRSC 270	Coastal Vegetation ²	3
MRSC 298	Selected Topics ²	1-3
MRSC 300	Behavior of Marine Organisms ^{1,2}	3
MRSC 310	The Mammals of Coastal Ecosystems ^{1,2}	3
MRSC 320	Marine Microbiology ^{1,2}	3
MRSC 330	Tropical Invertebrates ^{1,2}	3
MRSC 342	Marine Botany ^{1,2}	3
MRSC 343	Marine Ichthyology ^{1,2}	3
MRSC 344	Anatomy of Marine Chordates ^{1,2}	3
MRSC 345	Ornithology ^{1,2}	3
MRSC 350	Physiology of Marine Invertebrates ^{1,2}	3
MRSC 398	Selected Topics ^{1,2}	1-3
MRSC 420	Marine Micropaleontology ^{1,2}	3
MRSC 431	Ecology of Marine Plankton ^{1,2}	3
MRSC 441	Biology of Molluscs ^{1,2}	3
MRSC 490	Independent Study ^{1,2}	1-3
MRSC 491	Coral Reef Ecology ^{1,2}	3
MRSC 492	Marine Mammals ^{1,2}	3
MRSC 498	Selected Topics ^{1,2}	1-3

¹ Course counts for 50% of Major requirements and Major GPA

² Field Course

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

- 1. Student-faculty research
- 2. Internships
- 3. Volunteering
- 4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108) / CIM 512
w/ Conservation Biology (COBI)
This program is effective as of Fall 2025
Revised 09.18.2025
UCC 09.24.2024

Biology, Bachelor of Science (BS) - Concentration in Histotechnology

Program Learning Outcomes

- Competence in Laboratory and Research Skills: To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Histotechnology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-histotechnology/>)

Biology Department Page (<https://www.sru.edu/academics/colleges-and-departments/ches/departments/biology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Computer Competency		0-3
Major/Concentration Requirements		60
Natural Science and Math College-Wide Requirements		12
Electives		15

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/>)²

Total Hours **45**

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 60 credits = 42 coursework credits; 14 clinical credits
- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab ^{1,2}	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
Subtotal		15

Required Upper-Level Biology

BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 316	Immunology with Lab	3
BIOL 335	Cell Biology	3
BIOL 470	Histology with Lab	3
Subtotal		17

Related Sciences - Chemistry

CHEM 108	General Chemistry II ³	3
CHEM 112	General Chemistry II Lab ³	1
CHEM 201	Organic Chemistry I ³	3
CHEM 211	Organic Chemistry Laboratory I ³	1
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
Subtotal		12

Related Sciences - Physics

PHYS 202	Elements of Physics II/ Lab	4
or PHYS 217	University Physics 2 with Lab	

Clinical Experience (12 credits to complete 120 hrs in degree)

Minimum of 91 hrs on campus plus 1 yr (12 months) at an affiliated School of Histotechnology or one acceptable to SRU

BIOL 4TR	Clinical Experience ³	12
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Core GPA

³ Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Electives

Code	Title	Hours
BIOL 4TR	Clinical Experience	16

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Career education and development
2. Student-faculty research
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108)
Concentration in Histotechnology (HTEC)
This program is effective as of Summer 2025
Revised 01.21.2026
UCC 11.25.2025

Biology, Bachelor of Science (BS) - Concentration in Integrative Biology
Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Integrative Biology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-integrative-biology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide
GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Natural Science and Math College-Wide Requirements		12
Electives		15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 312	Zoology with Lab ¹	3
BIOL 350	Evolution ¹	3
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
Subtotal		15
Upper-Level Biology Electives		
Select 9 credits from courses in BIOL or MARS courses from Additional Upper-Level Biology Electives. They must be courses that were not chosen above. ¹		9
Upper-Level Biology Electives (p. 211) ¹		
Subtotal		9

Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Additional Science Elective Options		
Select one of the following:		3
CHEM 202	Organic Chemistry II ¹	
Upper-Level Biology Electives (p. 211) ¹		
Select one of the following:		3
CHEM 335	Biochemistry I ¹	
Upper-Level Biology Electives (p. 211) ¹		
Subtotal		6
Related Sciences - Physics		
Select one of the following:		4
PHYS 202	Elements of Physics II/ Lab ²	
PHYS 217	University Physics 2 with Lab ²	
Subtotal		4
Independent Study/Internship Options		
Select one of the following options:		3
<i>Independent Study Option</i>		
BIOL 490	Independent Study ¹	
or BIOL 450	Biology Internship	
<i>Non-Independent Study Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.		
Upper-Level Biology Electives (p. 211) ¹		
Subtotal		3
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

³ Course counts in Core GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3

BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3	MRSC 320	Marine Microbiology ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3	MRSC 330	Tropical Invertebrates	3
BIOL 307	Vertebrate Ecology/Lab ¹	3	MRSC 342	Marine Botany ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3	MRSC 343	Marine Ichthyology ¹	3
BIOL 309	Human Anatomy and Physiology II ¹	4	MRSC 344	Anatomy of Marine Chordates ¹	3
BIOL 310	Plant Diversity with Lab ¹	3	MRSC 345	Ornithology ¹	3
BIOL 311	Entomology/Lab ¹	3	MRSC 350	Physiology of Marine Invertebrates ¹	3
BIOL 312	Zoology with Lab	3	MRSC 398	Selected Topics ¹	1-3
BIOL 313	Herpetology/Lab ¹	3	MRSC 420	Marine Micropaleontology ¹	3
BIOL 314	Parasitology with Lab ¹	3	MRSC 431	Ecology of Marine Plankton ¹	3
BIOL 316	Immunology with Lab ¹	3	MRSC 441	Biology of Molluscs ¹	3
BIOL 317	Ecology and Fungi ¹	3	MRSC 490	Independent Study ¹	1-3
BIOL 320	Ornithology/Lab ¹	3	MRSC 491	Coral Reef Ecology ¹	3
BIOL 321	Wildlife Management/Lab ¹	3	MRSC 492	Marine Mammals ¹	3
BIOL 322	Conservation Biology/Lab ¹	3	MRSC 498	Selected Topics ¹	1-3
BIOL 323	Stream Ecology/Lab ¹	3	MRSC 500	Problems in Marine Science ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3			
BIOL 327	Limnology/Lab ¹	3			
BIOL 330	Microbiology/Lab ¹	3			
BIOL 331	Mammology/Lab ¹	3			
BIOL 335	Cell Biology ¹	3			
BIOL 340	Vertebrate Anatomy with Lab	3			
BIOL 343	Embryology with Lab ¹	3			
BIOL 350	Evolution ¹	3			
BIOL 356	Field Ecology / Lab ¹	3			
BIOL 357	Environmental Microbiology with Lab ¹	4			
BIOL 360	Field Botany ¹	3			
BIOL 361	Flora of Western Pennsylvania ¹	3			
BIOL 370	Molecular Biology ¹	3			
BIOL 371	Vertebrate Field Zoology ¹	3			
BIOL 373	Ichthyology/Lab ¹	3			
BIOL 375	Ecology of Fish / Lab ¹	3			
BIOL 380	Endocrinology ¹	3			
BIOL 395	Workshop	1-6			
BIOL 398	Selected Topics	1-3			
BIOL 400	Disease Ecology ¹	3			
BIOL 401	Ecology with Lab ¹	3			
BIOL 402	Biogeography/Lab ¹	3			
BIOL 405	Animal Physiological Ecology with Lab ¹	4			
BIOL 409	Pathophysiology ¹	3			
BIOL 410	Animal Physiology with Lab	3			
BIOL 412	Population Biology ¹	3			
BIOL 430	Pathogenic Microbiology ¹	3			
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3			
BIOL 450	Biology Internship ¹	3			
BIOL 451	Plant Physiology/Lab	3			
BIOL 470	Histology with Lab ¹	3			
BIOL 495	Workshop	1-6			
BIOL 498	Selected Topics ¹	3			
MRSC 300	Behavior of Marine Organisms ¹	3			
MRSC 310	The Mammals of Coastal Ecosystems ¹	3			

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108) / CIM 458

Concentration in Integrative Biology (INBI)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3

CHEM 111	General Chemistry I Lab	1
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15

Spring

ENGL 104	Critical Reading	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3

Hours **14**

Second Year**Fall**

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		

Hours **17**

Spring

Select one of the following:		3-4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
BIOL 300+	Upper Level BIOL Elective	
BIOL 325	Biostatistics and Experimental Design with Lab	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **12-13**

Third Year**Fall**

Select one of the following:		3
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry 1	
BIOL 300+	Upper Level BIOL Elective	
BIOL 310	Plant Diversity with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Spring

BIOL 312	Zoology with Lab	3
BIOL 330	Microbiology/Lab	3
MATH 225 or MATH 125	Calculus I or Precalculus	4
Elective with DEI attribute		3

Elective	3
Hours	16

Fourth Year**Fall**

BIOL 401	Ecology with Lab	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Upper Level BIOL Elective	3
Elective		3-4

Hours **16-17**

Spring

BIOL 335	Cell Biology	3
BIOL 450	Biology Internship	3
BIOL 490	Independent Study ⁴	3
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4

Hours **13**

Total Hours** **118-120**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major/Concentration: 6108/INBI

Revised date: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Integrative Biology / Pre-Master of Education (7-12)

Students seeking state certification in secondary education must also complete requirements for a Master of Education degree, a one-year program at SRU. All of our programs are designed to steadily develop the quantitative, deductive and inductive reasoning skills that biologists must have.

All candidates completing this program and student teaching are eligible to receive Pennsylvania certification after achieving a passing or qualifying score on Pennsylvania Department of Education required exam(s). If you are interested in teaching in another state, please contact the Department of Education in that state.

REQUIREMENTS FOR THE CERTIFICATION

Teacher certification is earned through the master of education degree at Slippery Rock University. Students seeking secondary school teaching certification in biology must earn a bachelor of arts or a bachelor of science degree in biology and contact the Department of Secondary Education/Foundations of Education concerning its graduate program

in education. Information about this program, including prerequisites for admission, may be obtained from the Secondary Education/Foundations of Education office in 114 McKay Education Building.

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Integrative Biology, Pre-Masters of Education, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-masters-of-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Natural Science and Math College-Wide Requirements	12
	Electives	15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 211	General Physics I with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 28 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students should complete all 200-level Biology requirements by the end of their sophomore year.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 335 or BIOL 370	Cell Biology ¹ Molecular Biology	3
BIOL 310	Plant Diversity with Lab (Now called Plant Diversity) ¹	3
BIOL 312	Zoology with Lab ¹	3
BIOL 350 or BIOL 401	Evolution ¹ Ecology with Lab	3
BIOL 330	Microbiology/Lab ¹	3
Subtotal		15
Upper-Level Biology Electives		
Select 9 credits in BIOL or MARS courses from Additional Upper Level Biology Electives Below		9
Upper-Level Biology Electives (p. 215) ¹		
Subtotal		9
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8
Related Sciences – Additional Science Elective Options		
Select one of the following:		3
CHEM 202	Organic Chemistry II ¹	
Upper-Level Biology Electives (p. 215) ¹		
Select one of the following:		3
CHEM 335	Biochemistry I ¹	
Upper-Level Biology Electives (p. 215) ¹		
Subtotal		6
Related Sciences – Physics		

Select one of the following:

PHYS 202 or PHYS 217	Elements of Physics II/ Lab ² University Physics 2 with Lab	4
Subtotal		4
Independent Study Options		
Select one of the following options:		3
<i>Independent Study Option</i>		
BIOL 490 or BIOL 450	Independent Study ¹ Biology Internship	
<i>Non-Independent Study Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.		
Upper-Level Biology Electives (p. 215) ¹		
Subtotal		3
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

Recommended Courses for Biology Pre-Masters in Education Majors

Listed below are the recommended courses for Biology Pre-Masters in Education majors. You will need to take these courses prior to obtaining your M. Ed.

Code	Title	Hours
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
SPED 121	Overview of Special Education	3
One EGEO with Lab		4
Two Math courses (one must be Calculus)		6-8
Must take the following as part of your Upper-Class Biology Electives:		
BIOL 370	Molecular Biology	
BIOL 401	Ecology with Lab	
BIOL 410	Animal Physiology with Lab	

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 211	General Physics I with Lab	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3

BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II ¹	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology ¹	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology ¹	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology	3
MRSC 260	Marine Ecology	3
MRSC 270	Coastal Vegetation	3
MRSC 298	Selected Topics	1-3
MRSC 300	Behavior of Marine Organisms ¹	3

MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108) / CIM 82

w/optional Pre Masters in Education (7-12) (PX)

This program is effective as of Fall 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3

CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15

Spring

ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3

Hours **14**

Second Year**Fall**

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3

Hours **17**

Spring

Select one of the following:		3-4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
BIOL 300+	Upper Level BIOL	
BIOL 300+	Upper Level BIOL	3
SPED 121	Overview of Special Education	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15-16**

Third Year**Fall**

Select one of the following:		3
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry 1	
BIOL 300+	Upper Level BIOL	
BIOL 300+	Upper Level BIOL	3
BIOL 300+	Upper Level BIOL	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Spring

BIOL 300+	Upper Level BIOL	3
BIOL 300+	Upper Level BIOL	3
MATH 125	Precalculus	4
Elective with DEI attribute		3

SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Hours		16

Fourth Year**Fall**

BIOL 300+	Upper Level BIOL	3
BIOL 300+	Upper Level BIOL	3
MATH 225	Calculus I	4
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4

Hours **14**

Spring

PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
BIOL 300+	Upper Level BIOL	3
BIOL 300+	Upper Level BIOL	3
BIOL 300+	Upper Level BIOL	3
Elective		3

Hours **16**

Total Hours** **122-123**

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108/INBI

Concentration Code: PX

Revised date: 08.11.2025

Biology, Bachelor of Science (BS) - Concentration in Medical Technology

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems

- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Medical Technology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-medical-technology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Natural Science and Math College-Wide Requirements		12
Electives		15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		

CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 60 credits = 42 coursework credits; 18 clinical credits
- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4

BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab ^{1,2}	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
Subtotal		15
Required Upper-Level Biology		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 316	Immunology with Lab ¹	3
BIOL 330	Microbiology/Lab ¹	3
BIOL 335 or BIOL 370	Cell Biology ¹ Molecular Biology	3
Subtotal		17
Related Sciences - Chemistry		
CHEM 108	General Chemistry II ³	3
CHEM 112	General Chemistry II Lab ³	1
CHEM 201	Organic Chemistry I ³	3
CHEM 202	Organic Chemistry II ³	3
CHEM 211	Organic Chemistry Laboratory I ³	1
CHEM 212	Organic Chemistry Laboratory II ³	1
Subtotal		12
Related Sciences - Physics		
PHYS 202 or PHYS 217	Elements of Physics II/ Lab University Physics 2 with Lab	4
Clinical Experience (12 credits to complete 120 hrs in degree)		
Minimum of 91 hrs on campus plus 1 year (12 months) at an affiliated School of Medical Technology or one acceptable to SRU		
BIOL 4TR	Clinical Experience ³	12
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Core GPA

³ Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125 or MATH 225	Precalculus Calculus I	4
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4

Electives

Code	Title	Hours
BIOL 4TR	Clinical Experience	14

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. Career education and development
2. Student-faculty research
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - BS (6108)

Concentration in Medical Technology (MEDT)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 11.29.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar *	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
MATH 125 or MATH 225	Precalculus or Calculus I	4
Hours		15
Second Year		
Fall		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
	Hours	15
Spring		
BIOL 309	Human Anatomy and Physiology II	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
	Hours	17
Third Year		
Fall		
BIOL 370 or BIOL 335	Molecular Biology or Cell Biology	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
	Hours	16
Spring		
BIOL 316	Immunology with Lab	3
BIOL 330	Microbiology/Lab	3
Elective		2
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
	Hours	14
Fourth Year		
Fall		
BIOL 4TR	School of Medical Technology	14
	Hours	14
Spring		
BIOL 4TR	School of Medical Technology	14
	Hours	14
	Total Hours**	120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6108
Concentration Code: MEDT
Revised date: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-professional/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement - Biology

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	57-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
Subtotal		13
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Biology Courses		
Select one of the following options:		6-8
BIOL 209	Human Anatomy and Physiology I	
& BIOL 309	and Human Anatomy and Physiology II ¹	
BIOL 340	Vertebrate Anatomy with Lab	
& BIOL 410	and Animal Physiology with Lab ¹	
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal:		15-17

Additional Biology Electives

Select 6 credits which can come from courses not chosen above, or any course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.

Upper-Level Biology Electives (p. 222) ¹

Subtotal: 6

Related Sciences – Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal:		8

Related Sciences – Advanced Elective Options

Select one of the following options:		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II ¹	
Upper-Level Biology Electives (p. 222) ¹		
Select one of the following options:		
CHEM 335	Biochemistry I ¹	
Upper-Level Biology Electives (p. 222) ¹		
Subtotal		6-7

Related Sciences – Physics

PHYS 202 or PHYS 217	Elements of Physics II/ Lab ² University Physics 2 with Lab	4

Independent Study or Internship Option

Select one of the following options:	3

Independent Study Option

BIOL 490	Independent Study ¹	

Internship or Biology Elective Option

Select 3 credits which can come from courses not chosen above, or any course listed below.		
Upper-Level Biology Electives (p. 222) ¹		

Total Hours	57-60

¹ Course counts for 50% of Major requirements and Major GPA² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225 or MATH 125	Calculus I Precalculus	4
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 301	Forest Ecology	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab	3
BIOL 303	Behavioral Ecology/Lab	3
BIOL 305	Wetlands and Aquatic Plants/Lab	3
BIOL 306	Freshwater Biomonitoring/Lab	3
BIOL 307	Vertebrate Ecology/Lab	3
BIOL 308	Aquatic Ecosystem Management / Lab	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab	3
BIOL 311	Entomology/Lab	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab	3
BIOL 314	Parasitology with Lab	3

BIOL 316	Immunology with Lab	3
BIOL 317	Ecology and Fungi	3
BIOL 320	Ornithology/Lab	3
BIOL 321	Wildlife Management/Lab	3
BIOL 322	Conservation Biology/Lab	3
BIOL 323	Stream Ecology/Lab	3
BIOL 326	Field Methods in Biogeography/Lab	3
BIOL 327	Limnology/Lab	3
BIOL 331	Mammology/Lab	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab	3
BIOL 350	Evolution	3
BIOL 356	Field Ecology / Lab	3
BIOL 357	Environmental Microbiology with Lab	4
BIOL 360	Field Botany	3
BIOL 361	Flora of Western Pennsylvania	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology	3
BIOL 373	Ichthyology/Lab	3
BIOL 375	Ecology of Fish / Lab	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3

MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - Pre-Health Professions (PHLT) - BS (6108) / CIM 75

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ¹	1
SUBJ 139	Foundations of Academic Discovery [*]	3
Hours		15
Spring		
ENGL 104	Critical Reading	3

CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14

Second Year

Fall

BIOL 209	Human Anatomy and Physiology I	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14

Spring

Select one of the following:		3-4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
BIOL 3XX/4XX	300/400 Biology Elective	
BIOL 250	Genetics with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
Social Science Inquiry (p. 19)		3
Hours		14-15

Third Year

Fall

Select one of the following:		3
CHEM 335	Biochemistry I	
BIOL 3XX/4XX	300/400 Biology Elective	
BIOL 325	Biostatistics and Experimental Design with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Spring

MATH 125 or MATH 225	Precalculus or Calculus I	4
BIOL 300+	Required Upper Level BIOL	3
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		16

Fourth Year

Fall

PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Required Upper Level BIOL	
Thematic Thread Requirement (p. 19)		3

Elective		6
	Hours	16
Spring		
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
BIOL 300+	Required Upper Level BIOL	3
BIOL 300+	Required Upper Level BIOL	3
Elective		4
Elective		4
	Hours	18
	Total Hours**	122-123

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Course offered in multiple subjects; cannot take course in first major subject.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108/PHLT
Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Antigua Medicine (4+4)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/Antigua Medicine, BS Program Page ([https://www.sru.edu/academics/majors-and-minors/biology-pre-medicine-\(44/\)](https://www.sru.edu/academics/majors-and-minors/biology-pre-medicine-(44/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Overall GPA: 3.0 or higher

Major GPA: 2.0

Pre-requisite GPA: 3.0 or higher

No “F” or “D” grade in any pre-requisite course

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	58-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125 or MATH 225	Precalculus Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Science Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Science Inquiry		
PHYS 201	Elements of Physics I with Lab	4

or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3

Subtotal	15

Required Upper-Level Biology

Select one of the following:	6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab ¹
BIOL 305	Wetlands and Aquatic Plants/Lab ¹
or BIOL 306	Freshwater Biomonitoring/Lab
or BIOL 350	Evolution
or BIOL 401	Ecology with Lab
BIOL 330	Microbiology/Lab ¹
BIOL 335	Cell Biology ¹
or BIOL 370	Molecular Biology
Subtotal	15-17

Additional Upper-Level Biology Electives

Select six credits from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.	6
Upper-Level Biology Electives (p. 226) ¹	
Subtotal	6

Related Sciences – Chemistry

CHEM 108	General Chemistry II ^{2,4,5}	3
CHEM 112	General Chemistry II Lab ^{2,4}	1
CHEM 201	Organic Chemistry I ^{2,4}	3
CHEM 202	Organic Chemistry II ^{2,4}	3
CHEM 211	Organic Chemistry Laboratory I ^{2,4}	1
CHEM 212	Organic Chemistry Laboratory II ^{2,4}	1
Subtotal		12

Related Sciences – Chemistry Advanced Elective

Select one of the following:	3
CHEM 301	Physical Chemistry I ^{1,4}
CHEM 335	Biochemistry I ^{1,4}

Related Sciences – Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	

Independent Study Option

Select one of the following options:	3
<i>Independent Study Option</i>	

BIOL 490	Independent Study ¹

Non-Independent Study Option

Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.

Upper-Level Biology Electives (p. 226)¹

Total Hours	58-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

³ Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.

⁴ Course counts for 50% of Major requirements but not for Major GPA

⁵ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

² Course counts for 50% of Major requirements but not for Major GPA

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology (PLE) ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab (PLE) ¹	3
BIOL 303	Behavioral Ecology/Lab (PLE) ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab (PLE) ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab (PLE) ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab ¹	3
BIOL 313	Herpetology/Lab (PLE) ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi (PLE) ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab (PLE) ¹	3
BIOL 322	Conservation Biology/Lab (PLE) ¹	3
BIOL 323	Stream Ecology/Lab (PLE) ¹	3
BIOL 326	Field Methods in Biogeography/Lab (PLE) ¹	3
BIOL 327	Limnology/Lab (PLE) ¹	3
BIOL 331	Mammalogy/Lab (PLE) ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab (PLE) ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania (PLE) ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab (PLE) ¹	3
BIOL 375	Ecology of Fish / Lab (PLE) ¹	3

BIOL 380	Endocrinology ¹	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab (PLE) ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology (PLE) ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships

3. Volunteering
4. Job Shadowing

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This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS- BS

American University of Antigua College of Medicine (4+4) (61AM) / CIM 77

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery *	3
ESAP 101	FIRST Seminar ²	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14

Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Third Year		
Fall		
CHEM 335	Biochemistry I	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
MATH 225 or MATH 125	Calculus I or Precalculus	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
Elective with DEI attribute		3
Hours		14
Fourth Year		
Fall		
BIOL 401	Ecology with Lab	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 300+	Upper Level BIOL Elective	3
Elective		4
Hours		14
Spring		
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
BIOL 335	Cell Biology	3
BIOL 490	Independent Study ⁴	3
BIOL 300+	Upper Level BIOL Elective	3
Elective		4
Hours		17
Total Hours**		120

* Course offered in multiple subjects; cannot take course in first major subject

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major/Concentration: 6108/PHLT

2nd Major: 61AM
Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Chiropractic (Logan) (3+3)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - (<https://www.sru.edu/academics/majors-and-minors/biology-pre-chiropractic-33/>) Pre-Health Professions (<https://www.sru.edu/academics/majors-and-minors/biology-professional/>) (<https://www.sru.edu/academics/majors-and-minors/biology-pre-chiropractic-33/>) Logan Pre-Chiropractic, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-chiropractic-33/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 3.0 or higher
Major GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	46

Natural Science and Math College-Wide Requirement	12
Electives	29

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Natural Sciences Inquiry

CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1

Physical Sciences Inquiry

PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Subtotal		17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12

Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 330	Microbiology/Lab ¹	3
BIOL 492	Biology Seminar ¹	1
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 309	Human Anatomy and Physiology II ¹	4
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
or CHEM 335	Biochemistry I	
Subtotal		15

Required Chemistry Courses

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 202	Organic Chemistry II ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
CHEM 212	Organic Chemistry Laboratory II ²	1

Subtotal 12

Required Physics Course

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	

Total Hours 46

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS- BS (6108)

Logan Chiropractic (3+3.3) (61LC)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 11.29.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3

CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar ¹	1
Hours		15

Spring

ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		17

Second Year**Fall**

Select one of the following: 3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Social Science Inquiry (p. 19)		3
Hours		14

Spring

BIOL 325	Biostatistics and Experimental Design with Lab	3
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
MATH 225	Calculus I	4
or MATH 125	or Precalculus	
Thematic Thread Requirement (p. 19)		3
Hours		14

Third Year**Fall**

BIOL 209	Human Anatomy and Physiology I	4
CHEM 335	Biochemistry I	3
BIOL 340	Vertebrate Anatomy with Lab	3
or BIOL 410	or Animal Physiology with Lab	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	or University Physics 1 with Lab	
Thematic Thread Requirement (p. 19)		3
Hours		17

Spring

BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
PHYS 202	Elements of Physics II/ Lab	4
or PHYS 217	or University Physics 2 with Lab	
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		17

Fourth Year**Fall**

Logan Chiropractic School	13
Hours	13

Spring

Logan Chiropractic School	13
Hours	13
Total Hours**	120

* Course offered in multiple subjects; cannot take course in first major subject

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108/PHLT

2nd Major: 61LC

Revised date: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Chiropractic (Palmer) (3+3)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/Palmer Pre-Chiropractic Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-chiropractic-33/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 3.0 or higher

Major GPA: 2.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	46
	Natural Science and Math College-Wide Requirements	12
	Electives	29

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1

Physical Sciences Inquiry

PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3

Subtotal		15
Required Upper-Level Biology		
BIOL 330	Microbiology/Lab ¹	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 492	Biology Seminar ¹	1
Subtotal		12
Required Chemistry Courses		
CHEM 108	General Chemistry II ^{2,3}	3
CHEM 112	General Chemistry II Lab ³	1
CHEM 201	Organic Chemistry I ³	3
CHEM 202	Organic Chemistry II ³	3
CHEM 211	Organic Chemistry Laboratory I ³	1
CHEM 212	Organic Chemistry Laboratory II ³	1
CHEM 335	Biochemistry I ³	3
or BIOL 335	Cell Biology	
or BIOL 370	Molecular Biology	
Subtotal		15
Required Physics Courses		
PHYS 202	Elements of Physics II/ Lab ³	4
or PHYS 217	University Physics 2 with Lab	
Total Hours		46

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ Course counts for 50% of Major requirements but not for Major GPA

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Total Hours		12

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum

categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS BS

Palmer Chiropractic (3+3.3) (61PC)

This program is effective as of Summer 2025

Revised 02.17.2026

UCC 01.17.2026

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ¹	1
SUBJ 139	Foundations of Academic Discovery [*]	3
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		17
Second Year		
Fall		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14
Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
MATH 225	Calculus I	4
or MATH 125	or Precalculus	

Thematic Thread Requirement (p. 19)	3
Hours	14
Third Year	
Fall	
CHEM 335 Biochemistry I	3
BIOL 340 Vertebrate Anatomy with Lab or BIOL 410 or Animal Physiology with Lab	3
PHYS 201 Elements of Physics I with Lab or PHYS 216 or University Physics 1 with Lab	4
Thematic Thread Requirement (p. 19)	3
Hours	13
Spring	
BIOL 330 Microbiology/Lab	3
BIOL 492 Biology Seminar	1
PHYS 202 Elements of Physics II/ Lab or PHYS 217 or University Physics 2 with Lab	4
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Free Elective	3
Hours	17
Fourth Year	
Fall	
Palmer Chiropractic School	15
Hours	15
Spring	
Palmer Chiropractic School	15
Hours	15
Total Hours**	120

* Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

¹ Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108/PHLT

2nd Major: 61PC

Revised date: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Dental (LECOM) (4+4)

This agreement establishes an Early Acceptance Program to which Slippery Rock University undergraduate students are enrolled jointly by Slippery Rock University and by the Lake Erie College of Osteopathic Medicine (LECOM). The Early Acceptance Program is designed to facilitate the admission of Slippery Rock University students into

LECOM's Doctor of Dental Medicine program. LECOM will interview the student prior to their enrollment at Slippery Rock University or within the first two years of study at Slippery Rock University. Students interviewing successfully will be offered a provisional acceptance to LECOM's Doctor of Dental Medicine program. Upon meeting the criteria for final acceptance, they will matriculate at the LECOM Bradenton, FL campus.

For more information on admission requirements: <https://lecom.edu/admissions/entrance-requirements/early-acceptance-programs/>

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/LECOM Dental Program Page ([https://www.sru.edu/academics/majors-and-minors/biology-dental-44-\(lecom/\)](https://www.sru.edu/academics/majors-and-minors/biology-dental-44-(lecom/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Per Term GPA: 3.0 or higher

Overall GPA: 3.4 or higher

Science GPA: 3.2 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	58-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab ¹	
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal		15-17
Upper-Level Biology Electives		
Select six credits from courses not chosen above, or any biology course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.		6
Upper-Level Biology Electives (p. 235)		
Subtotal		6
Related Sciences – Chemistry		

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 202	Organic Chemistry II ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
CHEM 212	Organic Chemistry Laboratory II ²	1
CHEM 335	Biochemistry I ²	3
Subtotal		15
Related Sciences – Physics		
Select one of the following:		4
PHYS 202	Elements of Physics II/ Lab ²	
or PHYS 217	University Physics 2 with Lab	
Independent Study Option		
Select one of the following options:		3
<i>Independent Study Option</i>		
BIOL 490	Independent Study ¹	
<i>Non-Independent Study or Internship Option</i>		
Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.		
Upper-Level Biology Electives (p. 235) ¹		
Total Hours		58-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3

BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammology/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ²	1-3
MRSC 300	Behavior of Marine Organisms ²	3
MRSC 310	The Mammals of Coastal Ecosystems ²	3
MRSC 320	Marine Microbiology ²	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3

MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS - BS (6108)

LECOM DENTAL (4+4) (61LD) / CIM 80

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery *	3
ESAP 101	FYRST Seminar ¹	1
Hours		15
Spring		
ENGL 104	Critical Reading	3

BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14

Second Year

Fall

BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Humanities Inquiry (p. 19)		3
Hours		14

Spring

Select one of the following:		3-4
CHEM 202 or CHEM 212	Organic Chemistry II or Organic Chemistry Laboratory II	
BIOL 300+	Upper Level BIOL Elective	
BIOL 325	Biostatistics and Experimental Design with Lab	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15-16

Third Year

Fall

Select one of the following:		3
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry I	
BIOL 300+	Upper Level BIOL Elective	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16

Spring

BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
MATH 225 or MATH 125	Calculus I or Precalculus	4
Elective with DEI attribute		3
Hours		14

Fourth Year

Fall

PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 401	Ecology with Lab	3
BIOL 300+	Upper Level BIOL Elective	3

Elective	4
Hours	14
Spring	
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab 4
BIOL 335	Cell Biology 3
BIOL 490	Independent Study 3
Elective	4
Elective	4
Hours	18
Total Hours**	120-121

* Course offered in multiple subjects; cannot take course in first major subject

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108/PHLT

2nd Major: 61LD

Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration In Pre-Health Professions / Pre-Dental (WVU) (4+4)

PROGRAM LEARNING OUTCOMES

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Biology - Pre-Health Professions/WVU Dental Program Page ([https://www.sru.edu/academics/majors-and-minors/biology-dental-44-\(wvu/\)](https://www.sru.edu/academics/majors-and-minors/biology-dental-44-(wvu/)))

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Overall GPA: 3.6 Major GPA: 2.0 Core GPA: 2.0

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements/Concentration	58-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	45

- ¹ Course offered in multiple subjects; cannot take course in first major subject
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab ¹	
BIOL 305 or BIOL 306	Wetlands and Aquatic Plants/Lab ¹ Freshwater Biomonitoring/Lab	3

or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335 or BIOL 370	Cell Biology ¹ Molecular Biology	3
Subtotal		15-17
Upper-Level Biology Electives		
Select six credits from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.		6
Upper-Level Biology Electives (p. 238)		
Subtotal		6
Independent Study Option¹		
Select one of the following options:		3
BIOL 490	Independent Study ¹	
Upper-Level Biology Electives (p. 238)		
Subtotal		3
Related Sciences		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 202	Organic Chemistry II ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
CHEM 212	Organic Chemistry Laboratory II ²	1
CHEM 335	Biochemistry I ²	3
PHYS 217	University Physics 2 with Lab ²	4
Subtotal		19
Total Hours		58-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4

Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3

BIOL 310	Plant Diversity with Lab (Plant Diversity with Lab) ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3

MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS - BS (6108) / CIM 81

West Virginia University Dental (4+4) (61WD)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery ¹	3

ESAP 101	FIRST Seminar *	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14
Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
Select one of the following:		3
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
BIOL 3XX/4XX	Upper Level BIOL Elective	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
Select one of the following:		3
CHEM 335 or CHEM 301	Biochemistry I or Physical Chemistry I	
BIOL 3XX/4XX	Upper Level BIOL Elective	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
MATH 225 or MATH 125	Calculus I or Precalculus	4
Elective with DEI attribute		3
Hours		14

Fourth Year**Fall**

BIOL 401	Ecology with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
FreeElective		3
Elective		3
Hours		16
Spring		
BIOL 335	Cell Biology	3
BIOL 490	Independent Study	3
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
Elective		3
Elective		3
Hours		16
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major/Concentration: 6108/PHLT

2nd Major: 61WD

Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Osteopathy (LECOM) (4+4)

This agreement establishes an Early Acceptance Program to which Slippery Rock University undergraduate students are enrolled jointly by Slippery Rock University and by the Lake Erie College of Osteopathic Medicine (LECOM). The Early Acceptance Program is designed to facilitate the admission of Slippery Rock University students into LECOM's Doctor of Osteopathic Medicine program. LECOM will interview the student prior to their enrollment at Slippery Rock University or within the first two years of study at Slippery Rock University. Students interviewing successfully will be offered a provisional acceptance to LECOM's Doctor of Osteopathic Medicine program. Upon meeting the criteria for final acceptance, they will enter LECOM.

For more information on admission requirements: <https://lecom.edu/admissions/entrance-requirements/early-acceptance-programs/>

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/LECOM Pre-Osteopathy 4+4, BS Program Page ([https://www.sru.edu/academics/majors-and-minors/biology-pre-osteopathic-44-\(lecom/\)](https://www.sru.edu/academics/majors-and-minors/biology-pre-osteopathic-44-(lecom/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement - Biology

Overall GPA: 3.4 or higher
Science GPA: 3.2 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	58-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4

or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab ¹	
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal		15-17
Upper-Level Biology Electives		
Select six credits from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.		6
Upper-Level Biology Electives (p. 242) ¹		
Subtotal		6
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 202	Organic Chemistry II ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
CHEM 212	Organic Chemistry Laboratory II ²	1
Subtotal		12

Related Sciences – Chemistry Advanced Elective

Select one of the following:		3
CHEM 301	Physical Chemistry I ¹	
CHEM 335	Biochemistry I ¹	

Related Sciences – Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	
Any 300/400 level BIOL elective ²		

Independent Study Option

Select one of the following options:		3

Independent Study Option

BIOL 490	Independent Study ¹	

Non-Independent Study Option

Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.

Upper-Level Biology Electives (p. 242) ¹		
Total Hours		58-60

¹ Course counts for 50% of Major requirements and Major GPA

³ Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional LECOM Osteopathic Requirements

Code	Title	Hours
Select two of the following:		
INDP 104	Principles of Sociology	
INDP 108	Introduction to Anthropology	
PHIL 101	Introduction to Philosophy	
PHIL 325	Medical/Health Care Ethics	
PSYC XXX	Any PSYC Course	

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3

BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 490	Independent Study	1-3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany ¹	3

MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PROFESSIONAL - BS (6108) CIM 84

LECOM OSTEOPATHIC (4+4) (61LO)

This program is effective as of Summer 2023

Revised 07.09.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar ¹	1

SUBJ 139	Foundations of Academic Discovery *	3
Hours		15
Spring		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
ENGL 104	Critical Reading	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		14
Second Year		
Fall		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		14
Spring		
Select one 200-level Core Course:		4
CHEM 202	Organic Chemistry II	
CHEM 212	Organic Chemistry Laboratory II	
BIOL 3XX/4XX	300/400 Biology Elective	
BIOL 325	Biostatistics and Experimental Design with Lab	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Third Year		
Fall		
BIOL 209	Human Anatomy and Physiology I	4
Select one of the following:		3
CHEM 335	Biochemistry I	
or CHEM 301	or Physical Chemistry 1	
BIOL 3XX/4XX	Upper Level Biology Elective	
BIOL 300+	Upper Level BIOL Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab	3
MATH 225	Calculus I	4
or MATH 125	or Precalculus	
Elective with DEI attribute		3
Hours		14

Fourth Year**Fall**

PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
BIOL 401	Ecology with Lab	3
BIOL 300+	Upper Level BIOL Elective	3
Elective		4
Hours		14

Spring

PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
BIOL 335	Cell Biology	3
BIOL 490	Independent Study	3
Elective		3
Elective		4
Hours		17
Total Hours**		120

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Course offered in multiple subjects; cannot take course in first major subject.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major/Concentration: 6018/PHLT

2nd Major: 61LO

Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physical Therapy (SRU) (3+3)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems

- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

1st Major: Biology

- Overall GPA: 2.00 or higher
- Major GPA (only includes Biology courses): 2.00 or higher

2nd Major: Pre-PT SRU 3+3 Biology

- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major Requirements		47-48
Natural Science and Math College-Wide Requirements		12
Electives		27-28

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125 or MATH 225	Precalculus Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113 and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- If you choose to pursue Pre-Physical Therapy SRU 3+3 Biology and are not accepted into the DPT program, then additional coursework

is required to complete a first major of Biology-Professional. Please refer to the Biology-Professional Curriculum Guide.

- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	8
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal		17
Related Sciences – Chemistry		
CHEM 108	General Chemistry II ³	3
CHEM 112	General Chemistry II Lab ³	1
CHEM 201	Organic Chemistry I ³	3
CHEM 211	Organic Chemistry Laboratory I ³	1
Subtotal		8
Related Sciences - Chemistry Advanced Elective		
Select one of the following:		3-4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II ¹	
Upper-Level Biology Electives (p.) ¹		
Related Sciences - Physics		
PHYS 202	Elements of Physics II/ Lab ³	4
or PHYS 217	University Physics 2 with Lab	
Total Hours		47-48

¹ Course counts for 50% of Major requirements and Major GPA

² It is recommended that students take PSYC 105 and their additional PSYC course as thread courses.

³ Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Physical Therapy Prerequisite Courses

Code	Title	Hours
PSYC 105	Introduction to Psychology ²	3
PSYC (additional)	See My Rock Audit for options ²	
Total Hours		3

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

- Volunteering
- Job Shadowing

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements – Pre-Physical Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/ (<http://www.sru.edu/PT/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152	Elementary Statistics I	3
or BIOL 325	Biostatistics and Experimental Design with Lab	
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
or PSYC 276	Introduction to Abnormal Psychology	
Total Hours		31-33

Requirements for Pre-Physical Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physical Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physical Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (fall or spring) of the Doctor of Physical Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physical Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Physical Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS - BS (6108)

PRE-PT SRU 3+3 (61P8)

This program is effective as of Summer 202

Revised 09.18.2025

UCC 11.29.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
SUBJ 139	Foundations of Academic Discovery *	3
ESAP 101	FIRST Seminar ¹	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3

Humanities Inquiry (p. 19)		3
Hours		17
Second Year		
Fall		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement - PSYC 105 is recommended (p. 19)		3
Declare a Thematic Thread ²		
Hours		17
Spring		
BIOL 250	Genetics with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
Select one of the following:		3
BIOL 300+	Upper Level BIOL Elective	
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		17
Third Year		
Fall		
BIOL 325	Biostatistics and Experimental Design with Lab	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
MATH 225 or MATH 125	Calculus I or Precalculus	4
Thematic Thread Requirement (p. 19)		3
Hours		14
Spring		
BIOL 300+	Required Upper Level Biology	9
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
Additional Psychology Course		3
Hours		16
Fourth Year		
Fall		
Physical Therapy Program		12
Hours		12
Spring		
Physical Therapy Program		12
Hours		12
Total Hours**		120

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
* Course offered in multiple subjects; cannot take course in first major subject.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major/Concentration: 6108
2nd Major: 61P8
Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physical Therapy (SRU) (Traditional)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 3.0 or higher

Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		45
Other Basic Requirements		0-3
Major Requirements		59-60
Natural Science and Math College-Wide Requirements		12
Electives		15-16

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ²

Total Hours **45**

¹ Course offered in multiple subjects; cannot take course in first major subject
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry and Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Biology Courses		
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	8
BIOL 330	Microbiology/Lab ¹	3
BIOL 335 or BIOL 370	Cell Biology ¹ Molecular Biology	3
BIOL 401 or BIOL 305 or BIOL 306 or BIOL 350	Ecology with Lab ¹ Wetlands and Aquatic Plants/Lab Freshwater Biomonitoring/Lab Evolution	3
Subtotal		17
Additional Upper-Level Biology Electives		

Select 6 credits which can come from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.

Upper-Level Biology Electives (p. 250) ¹

Subtotal: 6

Related Sciences – Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8

Related Sciences – Chemistry Advanced Elective

Select one of the following: 3-4

CHEM 202 Organic Chemistry II
& CHEM 212 and Organic Chemistry Laboratory II ¹

Upper-Level Biology Electives (p. 250) ¹

Select one of the following: 3

CHEM 335 Biochemistry I ¹

Upper-Level Biology Electives (p. 250) ¹

Subtotal: 6-7

Related Sciences – Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	

Independent Study Option

Select one of the following options: 3

Independent Study Option

BIOL 490 Independent Study ¹

Non-Independent Study Option

Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.

Upper-Level Biology Electives (p. 250) ¹

Total Hours 59-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

⁵ It is recommended students take PSYC 105 and the additional PSYC class in their thread courses.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125 or MATH 225	Precalculus Calculus I	4
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4

Additional Physical Therapy Prerequisite Courses

Code	Title	Hours
PSYC 105	Introduction to Psychology	3
PSYC XXX	See My Rock Audit for options	3

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 380	Endocrinology	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammalogy/Lab	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3

BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ²	1-3
MRSC 491	Coral Reef Ecology ²	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

**Doctor of Physical Therapy (DPT)
Prerequisite Admission Requirements****For Application Requirements**

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	

BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY – PRE-HEALTH PROFESSIONS – BS (6108) / CIM 86

PRE-PT Traditional

Effective Summer 2023

Revised 09.18.2025

UCC 02.25.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physician Assistant (SRU) (3+2)

Program Learning Outcomes

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts

- Apply scientific information to current and future societal problems

- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Related Links

Biology - Pre-Health Professions/Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

1st Major: Biology

- Overall GPA: 2.00 or higher
- Major GPA (only includes Biology courses): 2.00 or higher

2nd Major: Pre-PA SRU 3+2 Biology

- Overall GPA: 3.25 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	47-48
	Natural Science and Math College-Wide Requirements	12
	Electives	27-28

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
or MATH 125	Precalculus	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- If you choose to pursue Pre-Physician Assistant SRU 3+2 Biology and are not accepted into the PA program, then additional coursework is required to complete a first major of Biology-Pre-Health Professions. Please refer to the Biology-Pre-Health Professions Curriculum Guide.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15

Required Biology Courses

BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 309	Human Anatomy and Physiology II ¹	4
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal		17

Related Sciences - Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8

Relate Sciences - Chemistry Advanced Electives

Select one of the following:		3-4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II ²	
Upper-Level Biology Electives (p. 253)		

Related Sciences - Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	
Total Hours		47-48

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not Major GPA

³ It is recommended students take PSYC 105 and (EXER 450 or HCAM 250) as thread courses.

ADDITIONAL UPPER-LEVEL BIOLOGY ELECTIVES

Code	Title	Hours
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab	3
BIOL 301	Forest Ecology	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 409	Pathophysiology (Pathophysiology)	3
BIOL 380	Endocrinology (Endocrinology)	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammology/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3

BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Physician Assistant Prerequisite Course

Code	Title	Hours
EXER 250 or HCAM 250	Medical Terminology ¹ Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology ¹	3

¹ It is recommended students take PSYC 105 and (EXER 250 or HCAM 250) as thread courses.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies) Prerequisite Admission Requirements – Pre- Physician Assistant 3+2

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS - BS (6108) CIM 87

PRE-PA SRU 3+2 (6SPB)

This program is effective as of Summer 2023

Revised 09.18.2025

UCC 02.25.2025

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar ¹	1
SUBJ 139	Foundations of Academic Discovery *	3
Hours		15
Spring		
ENGL 104	Critical Reading	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		17

Second Year**Fall**

BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement - PSYC 105 is recommended (p. 19)		

Hours 14

Spring

BIOL 250	Genetics with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
Select one of the following:		3-4
BIOL 300+	Required Upper Level Biology	
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	
Thematic Thread Requirement (p. 19)		3

At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshman only.

Hours 14-15

Third Year**Fall**

BIOL 300+	Required Upper Level Biology	3
BIOL 325	Biostatistics and Experimental Design with Lab	3
PHYS 201 or PHYS 216	Elements of Physics I with Lab or University Physics 1 with Lab	4
MATH 225 or MATH 125	Calculus I or Precalculus	4
Thematic Thread Requirement (p. 19)		3

Hours 17

Spring

BIOL 300+	Upper Level BIOL Elective	3
BIOL 300+	Upper Level BIOL Elective	3
PHYS 202 or PHYS 217	Elements of Physics II/ Lab or University Physics 2 with Lab	4
Thematic Thread Requirement (p. 19)		3

Hours 13

Fourth Year**Fall**

PA Program Didactic		13

Hours 13

Spring

PA Program Didactic	13
Hours	13
Total Hours**	116-117

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major/Concentration: 6108/PHLT

2nd Major: 6SPB

Revised: 09.23.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Physician Assistant (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can

reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Related Links

Biology - Pre-Health Professions/Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/biology-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	59-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-16

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	University Seminar ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20113>)) and Biology II with Lab (BIOL 114 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20114>)) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20250>)) and Biometry with Lab (BIOL 325 (<https://catalog.sru.edu/archive/2025-2026/search/?P=BIOL%20325>)) prior to graduating.

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15

Required Upper-Level Biology

BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 309	Human Anatomy and Physiology II ¹	4
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal:		17

Additional Upper-Level Biology Electives

Select 6 credits which can come from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.

Upper-Level Biology Electives (p. 257) ¹	
Subtotal:	6

Related Sciences – Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
Subtotal		8

Related Sciences – Advanced Science Electives

Select one of the following options: 3-4

CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II ¹	

Upper-Level Biology Electives (p. 257) ¹	
Select one of the following options:	3

CHEM 335	Biochemistry I ¹
Upper-Level Biology Electives (p. 257) ¹	

Subtotal	6-7

Related Sciences – Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	

Independent Study Option

Select one of the following options: 3

Independent Study Option	
BIOL 490	Independent Study ¹

Non-Independent Study Option

Select 3 credits which can come from courses not chosen above, or any course listed below.

Upper-Level Biology Electives (p. 257) ¹	
Total Hours	59-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

⁴ It is recommended students take PSYC 105 and Medical Terminology in their thread courses.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional Physician Assistant Prerequisite Courses

Code	Title	Hours
EXER 250	Medical Terminology ⁴	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology ⁴	3

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammology/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab ¹	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3

BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology ¹	3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology ¹	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory ¹	3
BIOL 450	Biology Internship ¹	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab ¹	3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3
MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Volunteering
2. Job Shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY – PRE-HEALTH PROFESSIONS – BS (6108) CIM 88

PRE-PA Traditional

Effective Summer 2023

Revised 09.18.2025
UCC 02.25.2025

Biology, Bachelor of Science (BS) - Concentration in Pre-Health Professions / Pre-Podiatry (LECOM) (4+4)

PROGRAM LEARNING OUTCOMES

- **Competence in Laboratory and Research Skills:** To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7, 10)
- **Core Concepts for Biological Literacy:** (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- **Participation in Diverse, Enriching Scientific Activities:** Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)
- **Professional Attitude:** Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

Related Links

Biology - Pre-Health Professions/LECOM Podiatry Program Page - COMING SOON

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement - Biology

Overall GPA: 3.4 or higher
Science GPA: 3.2 or higher
Core GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	58-60
	Natural Science and Math College-Wide Requirements	12
	Electives	15-17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.
- To view the SRU policy on senior undergraduate students earning graduate credit, click here (<https://catalog.sru.edu/archive/2025-2026/academic-policies/senior-undergraduate-students-earning-graduate-credit/>).

Code	Title	Hours
Biology Core Requirements		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab ¹	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
BIOL 325	Biostatistics and Experimental Design with Lab ¹	3
Subtotal		15
Required Upper-Level Biology		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II ¹	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab ¹	
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
or BIOL 306	Freshwater Biomonitoring/Lab	
or BIOL 350	Evolution	
or BIOL 401	Ecology with Lab	
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
or BIOL 370	Molecular Biology	
Subtotal		15-17
Upper-Level Biology Electives		

Select six credits from courses not chosen above, or any 300/400 level course listed below. Additional electives may be selected from the Marine Science offerings listed below. PLE courses are only offered during the summer months through our affiliation with Pymatuning Laboratory of Ecology.

Upper-Level Biology Electives (p. 261) ¹

Subtotal 6

Related Sciences – Chemistry

CHEM 108	General Chemistry II ²	3
CHEM 112	General Chemistry II Lab ²	1
CHEM 201	Organic Chemistry I ²	3
CHEM 202	Organic Chemistry II ²	3
CHEM 211	Organic Chemistry Laboratory I ²	1
CHEM 212	Organic Chemistry Laboratory II ²	1
Subtotal		12

Related Sciences – Chemistry Advanced Elective

Select one of the following: 3

CHEM 335 Biochemistry I ²

Related Sciences – Physics

PHYS 202	Elements of Physics II/ Lab ²	4
or PHYS 217	University Physics 2 with Lab	

Independent Study Option

Select one of the following options: 3

Independent Study Option

BIOL 490 Independent Study ¹

Non-Independent Study Option

Select 3 credits in BIOL or MARS course from Additional Upper-Level Biology Electives below.

Upper-Level Biology Electives (p. 261) ¹

Total Hours 58-60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Additional LECOM Osteopathic Requirements

Code	Title	Hours
Select two of the following:		
INDP 104	Principles of Sociology	
INDP 108	Introduction to Anthropology	
PHIL 101	Introduction to Philosophy	

PHIL 325	Medical/Health Care Ethics
PSYC XXX	Any PSYC Course

Additional Upper-Level Biology Electives

Code	Title	Hours
BIOL 301	Forest Ecology ¹	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab ¹	3
BIOL 303	Behavioral Ecology/Lab ¹	3
BIOL 305	Wetlands and Aquatic Plants/Lab ¹	3
BIOL 306	Freshwater Biomonitoring/Lab ¹	3
BIOL 307	Vertebrate Ecology/Lab ¹	3
BIOL 308	Aquatic Ecosystem Management / Lab ¹	3
BIOL 310	Plant Diversity with Lab ¹	3
BIOL 311	Entomology/Lab ¹	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab ¹	3
BIOL 314	Parasitology with Lab ¹	3
BIOL 316	Immunology with Lab ¹	3
BIOL 317	Ecology and Fungi ¹	3
BIOL 320	Ornithology/Lab ¹	3
BIOL 321	Wildlife Management/Lab ¹	3
BIOL 322	Conservation Biology/Lab ¹	3
BIOL 323	Stream Ecology/Lab ¹	3
BIOL 326	Field Methods in Biogeography/Lab ¹	3
BIOL 327	Limnology/Lab ¹	3
BIOL 331	Mammalogy/Lab ¹	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab ¹	3
BIOL 350	Evolution ¹	3
BIOL 356	Field Ecology / Lab ¹	3
BIOL 357	Environmental Microbiology with Lab ¹	4
BIOL 360	Field Botany ¹	3
BIOL 361	Flora of Western Pennsylvania ¹	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology ¹	3
BIOL 373	Ichthyology/Lab ¹	3
BIOL 375	Ecology of Fish / Lab ¹	3
BIOL 380	Endocrinology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab ¹	3
BIOL 405	Animal Physiological Ecology with Lab ¹	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology ¹	3
BIOL 430	Pathogenic Microbiology ¹	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship ¹	3
BIOL 470	Histology with Lab ¹	3
BIOL 490	Independent Study	1-3
BIOL 498	Selected Topics ¹	3
MRSC 221	Marine Invertebrates ¹	3

MRSC 241	Marine Biology ¹	3
MRSC 250	Wetland Ecology ¹	3
MRSC 260	Marine Ecology ¹	3
MRSC 270	Coastal Vegetation ¹	3
MRSC 298	Selected Topics ¹	1-3
MRSC 300	Behavior of Marine Organisms ¹	3
MRSC 310	The Mammals of Coastal Ecosystems ¹	3
MRSC 320	Marine Microbiology ¹	3
MRSC 330	Tropical Invertebrates ¹	3
MRSC 342	Marine Botany ¹	3
MRSC 343	Marine Ichthyology ¹	3
MRSC 344	Anatomy of Marine Chordates ¹	3
MRSC 345	Ornithology ¹	3
MRSC 350	Physiology of Marine Invertebrates ¹	3
MRSC 398	Selected Topics ¹	1-3
MRSC 420	Marine Micropaleontology ¹	3
MRSC 431	Ecology of Marine Plankton ¹	3
MRSC 441	Biology of Molluscs	3
MRSC 490	Independent Study	1-3
MRSC 441	Biology of Molluscs ¹	3
MRSC 490	Independent Study ¹	1-3
MRSC 491	Coral Reef Ecology ¹	3
MRSC 492	Marine Mammals ¹	3
MRSC 498	Selected Topics ¹	1-3
MRSC 500	Problems in Marine Science ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Student-faculty research
2. Internships
3. Volunteering
4. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

BIOLOGY - PRE-HEALTH PROFESSIONS - BS (6108/PHLT)

LECOM PRE-PODIATRY (4+4) (61PO)/CIM 520

This program is effective as of Summer 2025

Revised 07.01.2025

UCC 09.24.2024

Biology, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Students must earn a "C" or better in both Biology I with Lab (BIOL 113) and Biology II with Lab (BIOL 114) before proceeding to their next biology course.
- Students must earn a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

Code	Title	Hours
Required Courses		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab	4
BIOL 325	Biostatistics and Experimental Design with Lab	3
Electives (300 level or above)		
Select a minimum of six credits from 300 Level or Above Electives		6
300 Level or Above Electives (p. 262)		
Total Hours		21

300 Level or above Electives

Code	Title	Hours
BIOL 301	Forest Ecology	3
BIOL 302	Ecology of Amphibians & Reptiles/Lab	3
BIOL 303	Behavioral Ecology/Lab	3
BIOL 305	Wetlands and Aquatic Plants/Lab	3
BIOL 306	Freshwater Biomonitoring/Lab	3
BIOL 307	Vertebrate Ecology/Lab	3
BIOL 308	Aquatic Ecosystem Management / Lab	3
BIOL 309	Human Anatomy and Physiology II	4
BIOL 310	Plant Diversity with Lab	3
BIOL 311	Entomology/Lab	3
BIOL 312	Zoology with Lab	3
BIOL 313	Herpetology/Lab	3
BIOL 314	Parasitology with Lab	3

BIOL 316	Immunology with Lab	3
BIOL 317	Ecology and Fungi	3
BIOL 320	Ornithology/Lab	3
BIOL 321	Wildlife Management/Lab	3
BIOL 322	Conservation Biology/Lab	3
BIOL 323	Stream Ecology/Lab	3
BIOL 326	Field Methods in Biogeography/Lab	3
BIOL 327	Limnology/Lab	3
BIOL 330	Microbiology/Lab	3
BIOL 331	Mammology/Lab	3
BIOL 335	Cell Biology	3
BIOL 340	Vertebrate Anatomy with Lab	3
BIOL 343	Embryology with Lab	3
BIOL 350	Evolution	3
BIOL 356	Field Ecology / Lab	3
BIOL 357	Environmental Microbiology with Lab	4
BIOL 360	Field Botany	3
BIOL 361	Flora of Western Pennsylvania	3
BIOL 370	Molecular Biology	3
BIOL 371	Vertebrate Field Zoology	3
BIOL 373	Ichthyology/Lab	3
BIOL 375	Ecology of Fish / Lab	3
BIOL 380	Endocrinology	3
BIOL 390	Experimental	1-3
BIOL 395	Workshop	1-6
BIOL 398	Selected Topics	1-3
BIOL 400	Disease Ecology	3
BIOL 401	Ecology with Lab	3
BIOL 402	Biogeography/Lab	3
BIOL 405	Animal Physiological Ecology with Lab	4
BIOL 409	Pathophysiology	3
BIOL 410	Animal Physiology with Lab	3
BIOL 412	Population Biology	3
BIOL 430	Pathogenic Microbiology	3
BIOL 435	Cellular and Molecular Analysis Laboratory	3
BIOL 450	Biology Internship	3
BIOL 451	Plant Physiology/Lab	3
BIOL 470	Histology with Lab	3
BIOL 490	Independent Study	1-3
BIOL 495	Workshop	1-6
BIOL 498	Selected Topics	3
MRSC 221	Marine Invertebrates	3
MRSC 241	Marine Biology	3
MRSC 250	Wetland Ecology	3
MRSC 260	Marine Ecology	3
MRSC 270	Coastal Vegetation	3
MRSC 298	Selected Topics	1-3
MRSC 300	Behavior of Marine Organisms	3
MRSC 310	The Mammals of Coastal Ecosystems	3
MRSC 320	Marine Microbiology	3
MRSC 330	Tropical Invertebrates	3
MRSC 342	Marine Botany	3

MRSC 343	Marine Ichthyology	3
MRSC 344	Anatomy of Marine Chordates	3
MRSC 345	Ornithology	3
MRSC 350	Physiology of Marine Invertebrates	3
MRSC 398	Selected Topics	1-3
MRSC 420	Marine Micropaleontology	3
MRSC 431	Ecology of Marine Plankton	3
MRSC 441	Biology of Molluscs	3
MRSC 490	Independent Study	1-3
MRSC 491	Coral Reef Ecology	3
MRSC 492	Marine Mammals	3
MRSC 498	Selected Topics	1-3
MRSC 500	Problems in Marine Science	3

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN BIOLOGY (08A) / CIM 89

Effective Summer 2023

Revised 03.13.2025

UCC 02.25.2025

Marine Science, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

- Competence in Laboratory and Research Skills: To conduct, assess, and communicate research investigations using established scientific practices. (SRU UG 1, 2, 3, 4, 5, 7 10)
- Core Concepts for Biological Literacy: (SRU UG 1, 2, 3, 4, 5, 7, 9)
 - Knowledge/Content
 - Evolution
 - Structure and function across all levels of biological organization
 - Diversity and interactions of life
 - Information flow, exchange and storage in biological systems
 - Critical Thinking/Problem Solving
 - Connect information from cognate science courses and liberal arts courses to biological concepts
 - Apply scientific information to current and future societal problems
- Participation in Diverse, Enriching Scientific Activities: Apply technical and professional skills in hands-on laboratory, clinical or field experiences. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9)

- Professional Attitude: Graduates demonstrate professional attitude, behavior, and ability to interact with people from diverse backgrounds and cultures. (SRU UG 1, 5, 7, 8, 9)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (an upper division course includes any 3 credit course that requires a pre-requisite)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	4
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
EVGE 131	Oceanography	3
Marine Science Electives		
Choose three MRSC courses (2 must be at the 300/400 level)		9
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MARINE SCIENCE (34D)

This program is effective as of Summer 2024

Revised 03.15.2024

UCC 02.13.2024

Chemistry Programs majors

- Chemistry, Bachelor of Arts (BA) (p. 264)
- Chemistry, Bachelor of Science (BS) (p. 267)
- Chemistry, Bachelor of Science (BS) - Concentration in Biochemistry (p. 270)
- Chemistry, Bachelor of Science (BS) - Concentration in Chemistry Education (p. 274)
- Chemistry, Bachelor of Science (BS) - Concentration in Health Sciences (p. 277)
- Chemistry, Bachelor of Science (BS) / Pre-Pharmacy (Duquesne) (3+4) (p. 280)
- Chemistry, Bachelor of Science (BS) / Pre-Pharmacy (LECOM) (3+3) (p. 283)
- Chemistry, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2) (p. 286)
- Chemistry, Pre-Pharmacy (Duquesne) (2+4) (p. 290)

minors

- Chemistry, Minor (p. 290)

Chemistry, Bachelor of Arts (BA)

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry.
- Students will demonstrate development of technical skills for practical applications of chemistry.
- Students will present collected experimental data in written and oral reports.
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor.

Related Links

Chemistry, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-ba/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	40

Natural Science and Math College-Wide Requirements	12
Electives	35

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ²	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Natural Sciences Inquiry		
CHEM 107	General Chemistry I ²	3
CHEM 111	General Chemistry I Lab	1

<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17

Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³	12

Total Hours	45

¹ Course offered in multiple subjects; cannot take in first major subject
² Course counts for 50% of Major requirements and Major GPA
³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Chemistry Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		28
Chemistry Elective		
Select four credits (must include one lecture and one lab):		4
CHEM 337	Biochemistry II ¹	
CHEM 338	Biochemistry Laboratory II ¹	
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 425	Instrumental Analysis ¹	
CHEM 426	Instrumental Analysis Laboratory ¹	
CHEM 460	Materials Chemistry ¹	
CHEM 475	Advanced Organic Synthesis ¹	
CHEM 490	Independent Study ¹	
Subtotal		4
Required Math and Science Courses		

MATH 230	Calculus II ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
Subtotal		8
Total Hours		40

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
PHYS 201	Elements of Physics I with Lab ¹	4
or PHYS 216	University Physics 1 with Lab	
MATH 125	Precalculus ¹	4
or MATH 225	Calculus I	

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BA (6 12)

This program is effective as of Fall 2021

Revised 09.18.2025

UCC 04.13.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra (if necessary)	
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Inquiry/Thread/Elective (p. 19)		3
SUBJ 139	Foundations of Academic Discovery	3
Hours		14
Second Year		
Fall		
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
Select one of the following:		4
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
PHYS 216	University Physics 1 with Lab	4
ENGL 104	Critical Reading	3
Hours		15
Spring		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Inquiry/Thread/Elective (p. 19)		3
Hours		18
Third Year		
Fall		
Select one of the following based on even or odd year:		7-8
In even years, select:		

CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		16-17
Spring		
Select one of the following:		7
In odd numbered years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
Inquiry/Thread/Elective (p. 19)		
Inquiry/Thread/Elective (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Select one of the following In Depth Chemistry Electives (1 lecture and 1 lab):		4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
CHEM 415 & CHEM 416	Forensic Analysis and Forensic Analysis Lab	
CHEM 460	Materials Chemistry	
CHEM 475	Advanced Organic Synthesis	
CHEM 490	Independent Study	
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		17
Fourth Year		
Fall		
Select one of the following:		7-8
In even years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		16-17
Spring		
Select one of the following:		7

In odd numbered years, select:

CHEM 452 Physical Inorganic Chemistry Laboratory

Inquiry/Thread/Elective (p. 19)

Inquiry/Thread/Elective (p. 19)

In odd years, select:

CHEM 302 Physical Chemistry II

CHEM 425 Instrumental Analysis

& CHEM 426 and Instrumental Analysis Laboratory

Select one of the following In Depth Chemistry Electives (1 lecture and 1 lab): 4

CHEM 337 Biochemistry II

& CHEM 338 and Biochemistry Laboratory II

CHEM 340 Air Quality Assessment

CHEM 370 Water Quality Assessment

CHEM 415 Forensic Analysis

& CHEM 416 and Forensic Analysis Lab

CHEM 460 Materials Chemistry

CHEM 475 Advanced Organic Synthesis

CHEM 490 Independent Study

Inquiry/Thread/Elective (p. 19) 3

Inquiry/Thread/Elective (p. 19) 3

Hours 17

Total Hours 128-131**

¹ Course offered in multiple subjects; cannot take in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6 12

Revised date: 09.23.2025

Chemistry, Bachelor of Science (BS)

The Slippery Rock University Chemistry Degree is certified by the American Chemistry Society or ACS. In order to earn ACS certification, students must complete 2 credits of Independent Study and 1 credit of Research in addition to the BS requirements. Students can also choose an option concentration in order to broaden their background in chemistry or to gain additional experience if they wish to pursue other interests.

Concentrations are available in the following areas:

- Biochemistry
- Computational Chemistry
- Education
- Environmental Chemistry
- Forensic Chemistry
- Health Sciences

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely Organic, Analytical, Biological, Physical, and Inorganic chemistry.
- Students will demonstrate development of technical skills for practical applications of chemistry.
- Students will present collected experimental data in written and oral reports.
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor.

Related Links

Chemistry, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-bs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	54
	Natural Science and Mathematics College Wide Requirement	12
	ACS Certification – Optional	0-3
	Electives	21

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ^{2,3}	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
CHEM 107 General Chemistry I & CHEM 111 and General Chemistry I Lab ^{2,3}	4
<i>Physical Sciences Inquiry</i>	
PHYS 216 University Physics 1 with Lab ^{2,3}	4
Subtotal	17
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ⁴	12
Total Hours	45

- ¹ Course offered in multiple subjects; cannot take in first major subject
- ² Course counts for 50% of Major requirements and Major GPA
- ³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.
- ⁴ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II ^{1,2}	3
CHEM 112	General Chemistry II Lab ¹	1
Subtotal		4
Required Foundation Chemistry Courses		
CHEM 201	Organic Chemistry I ^{1,2}	3
CHEM 211	Organic Chemistry Laboratory I ¹	1

CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		20

Required In-Depth Chemistry Courses

CHEM 202	Organic Chemistry II ^{1,2}	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 302	Physical Chemistry II ¹	3
CHEM 425	Instrumental Analysis ¹	3
CHEM 426	Instrumental Analysis Laboratory ¹	1
CHEM 460	Materials Chemistry ¹	3
Subtotal		14

Additional Required In-Depth Chemistry Courses

Select one lecture and one laboratory course:		4
CHEM 337	Biochemistry II ¹	
CHEM 338	Biochemistry Laboratory II ¹	
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 415	Forensic Analysis ¹	
CHEM 416	Forensic Analysis Lab ¹	
CHEM 475	Advanced Organic Synthesis ¹	
Subtotal		4

Cognate Courses

BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
MATH 230	Calculus II ^{1,3}	4
PHYS 217	University Physics 2 with Lab ¹	4
Subtotal		12

Total Hours	54

- ¹ Course counts for 50% of Major requirements and Major GPA
- ² A 'C' or better must be earned in course to register for Chemistry courses 300 or above.
- ³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirement

Code	Title	Hours
CHEM 107	General Chemistry I ^{1,2}	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ^{1,3}	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

- ¹ Course counts for 50% of Major requirements and Major GPA

² A 'C' or better must be earned in course to register for Chemistry courses 300 or above.

³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

ACS Certification – Optional

Code	Title	Hours
CHEM 490	Independent Study ¹	2
CHEM 496	Research ¹	1
Total Hours		3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BS (6118)

This program is effective as of Summer 2022

Revised 09.18.2025

UCC 03.22.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3-4

MATH 120	Intermediate Algebra (if necessary)
MATH 125	Precalculus (if necessary)
MATH 225	Calculus I (if necessary)
MATH 230	Calculus II

Hours 15-16

Spring

CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
SUBJ 139	Foundations of Academic Discovery	3
Inquiry/Thread/Elective Course (p. 19)		3

Hours 14

Second Year

Fall

CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
Select one of the following:		4
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
PHYS 216	University Physics 1 with Lab	4
ENGL 104	Critical Reading	3

Hours 15

Spring

CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II (if necessary)	4
PHYS 217	University Physics 2 with Lab	4
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Inquiry/Thread/Elective Course (p. 19)		3

Hours 18

Third Year

Fall

Select one of the following:		7-8
In even years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	

In odd years, select:

CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3

Hours 16-17

Spring

Select one of the following: 4-7

In odd years, select:

CHEM 452 Physical Inorganic Chemistry Laboratory

CHEM 460 Materials Chemistry

Inquiry/Thread/Elective Course (p. 19)

In even years, select:

CHEM 302 Physical Chemistry II

CHEM 425 Instrumental Analysis
& CHEM 426 and Instrumental Analysis Laboratory

Select one of the following In Depth Chemistry Elective (1 lecture and 1 lab): 4

CHEM 337 Biochemistry II
& CHEM 338 and Biochemistry Laboratory II

CHEM 340 Air Quality Assessment

CHEM 370 Water Quality Assessment

CHEM 415 Forensic Analysis
& CHEM 416 and Forensic Analysis Lab

CHEM 475 Advanced Organic Synthesis

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Hours 17-20**Fourth Year****Fall**

Select one of the following: 7-8

In even years, select:

CHEM 335 Biochemistry I
& CHEM 336 and Biochemistry Laboratory I

CHEM 442 Inorganic Chemistry

In odd years, select:

CHEM 301 Physical Chemistry I
& CHEM 321 and Physical Chemistry Laboratory ICHEM 350 Analytical Chemistry
& CHEM 351 and Analytical Chemistry Lab

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Hours 16-17**Spring**

Select one of the following: 7

In odd years, select:

CHEM 452 Physical Inorganic Chemistry Laboratory

CHEM 460 Materials Chemistry

Inquiry/Thread/Elective Course (p. 19)

In even years, select:

CHEM 302 Physical Chemistry II

CHEM 425 Instrumental Analysis
& CHEM 426 and Instrumental Analysis Laboratory

Select one of the following In Depth Chemistry Electives (1 Lecture and 1 Lab): 4

CHEM 337 Biochemistry II
& CHEM 338 and Biochemistry Laboratory II

CHEM 340 Air Quality Assessment

CHEM 370 Water Quality Assessment

CHEM 415 Forensic Analysis
& CHEM 416 and Forensic Analysis Lab

CHEM 475 Advanced Organic Synthesis

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Inquiry/Thread/Elective Course (p. 19) 3

Hours 20**Total Hours** 131-137**¹ Course offered in multiple subjects; cannot take in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

** Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6118

Revised date: 09.23.2025

Chemistry, Bachelor of Science (BS) - Concentration in Biochemistry

The Slippery Rock University Chemistry Degree is certified by the American Chemistry Society or ACS. In order to earn ACS certification, students must complete 2 credits of Independent Study and 1 credit of Research in addition to the BS requirements. Students can also choose an option concentration in order to broaden their background in chemistry or to gain additional experience if they wish to pursue other interests.

Concentrations are available in the following areas:

- Biochemistry
- Computational Chemistry
- Education
- Environmental Chemistry
- Forensic Chemistry
- Health Sciences

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry.
- Students will demonstrate development of technical skills for practical applications of chemistry.
- Students will present collected experimental data in written and oral reports.
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor.

Related Links

Chemistry - Biochemistry, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-biochemistry/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	54
	Natural Science and Math College-Wide Requirements	12
	Biochemistry Concentration	14
	ACS Certification – Optional	0-3
	Electives	7

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ^{2,3}	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

CHEM 107 General Chemistry I 4
& CHEM 111 and General Chemistry I Lab ^{2,3}

Physical Sciences Inquiry

PHYS 216 University Physics 1 with Lab ^{2,3} 4

Subtotal 17

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ⁴ 12

Total Hours 45

¹ Course offered in multiple subjects; cannot take in first major subject

² Course counts for 50% of Major requirements and Major GPA

³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

⁴ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	

Total Hours 0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
Subtotal		4

Required Foundation Chemistry Courses

CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		20

Required In-Depth Chemistry Courses

CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1

CHEM 302	Physical Chemistry II ¹	3
CHEM 425	Instrumental Analysis ¹	3
CHEM 426	Instrumental Analysis Laboratory ¹	1
CHEM 460	Materials Chemistry ¹	3
Subtotal		14

Additional Required In-Depth Chemistry Courses

Select one lecture and one laboratory course:		4
CHEM 337	Biochemistry II ¹	
CHEM 338	Biochemistry Laboratory II ¹	
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 415	Forensic Analysis ¹	
CHEM 416	Forensic Analysis Lab ¹	
CHEM 475	Advanced Organic Synthesis ¹	
Subtotal		4

Cognate Courses

BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
MATH 230	Calculus II ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
Subtotal		12
Total Hours		54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ^{1,2}	4
PHYS 216	University Physics 1 with Lab ^{1,2}	4

¹ Course counts for 50% of Major requirements and Major GPA² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.**Biochemistry Concentration**

Code	Title	Hours
CHEM 337	Biochemistry II ¹	3
CHEM 338	Biochemistry Laboratory II ¹	1
BIOL 250	Genetics with Lab ¹	4
BIOL 335	Cell Biology ¹	3
BIOL 370	Molecular Biology ¹	3
Total Hours		14

¹ Course counts for 50% of Major requirements and Major GPA**ACS Certification – Optional**

Code	Title	Hours
CHEM 490	Independent Study ¹	2
CHEM 496	Research ¹	1
Total Hours		3

¹ Course counts for 50% of Major requirements and Major GPA**Co-curricular and Experiential Learning**

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BS (6118)

Concentration in Biochemistry (BCHM)

This program is effective as of Summer 2022

Revised 07.06.2022

UCC 03.22.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ²	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra (if necessary)	
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	

MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		15
Second Year		
Fall		
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I	
MATH 230	Calculus II (if necessary)	
Hours		15
Spring		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Third Year		
Fall		
Select one of the following:		6-8
In even years, select:		
CHEM 442	Inorganic Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16-18
Spring		
Select one of the following:		7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II (even years)	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
BIOL 335	Cell Biology	3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16
Total Hours**		124-129

Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17
Fourth Year		
Fall		
Select one of the following:		6-8
In even years, select:		
CHEM 442	Inorganic Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
BIOL 370	Molecular Biology	3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		15-17
Spring		
Select one of the following:		7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry (odd years)	
Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II (even years)	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
BIOL 335	Cell Biology	3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16
Total Hours**		124-129

¹ Course offered in multiple subjects; cannot take course in first major subject

² Students are encouraged to take ESAP 101 as a Free Elective.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6118

Concentration: BCHM
Revised date: 09.23.2025

Chemistry, Bachelor of Science (BS) - Concentration in Chemistry Education

The Slippery Rock University Chemistry Degree is certified by the American Chemistry Society or ACS. In order to earn ACS certification, students must complete 2 credits of Independent Study and 1 credit of Research in addition to the BS requirements. Students can also choose an option concentration in order to broaden their background in chemistry or to gain additional experience if they wish to pursue other interests.

Concentrations are available in the following areas:

- Biochemistry
- Computational Chemistry
- Education
- Environmental Chemistry
- Forensic Chemistry
- Health Sciences

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry.
- Students will demonstrate development of technical skills for practical applications of chemistry.
- Students will present collected experimental data in written and oral reports.
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor.

Related Links

Chemistry - Chemistry Education, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-education-x33578/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	54
	Natural Science and Math College-Wide Requirements	12
	Chemistry Education Concentration	13

ACS Certification – Optional	0-3
Electives	8

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ^{2,3}	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ^{2,3}	4
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab ^{2,3}	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ⁴		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take in first major subject
² Course counts for 50% of Major requirements and Major GPA
³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.
⁴ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
Subtotal		4

Required Foundation Chemistry Courses		
CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		20

Required In-Depth Chemistry Courses		
CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 302	Physical Chemistry II ¹	3
CHEM 425	Instrumental Analysis ¹	3
CHEM 426	Instrumental Analysis Laboratory ¹	1
CHEM 460	Materials Chemistry ¹	3
Subtotal		14

Additional Required In-Depth Chemistry Courses		
Select one lecture and one laboratory course:		4
CHEM 337	Biochemistry II ¹	
CHEM 338	Biochemistry Laboratory II ¹	
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 415	Forensic Analysis ¹	
CHEM 416	Forensic Analysis Lab ¹	
CHEM 475	Advanced Organic Synthesis ¹	
Subtotal		4

Cognate Courses		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4

MATH 230	Calculus II ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
Subtotal		12
Total Hours		54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ^{1,2}	4
PHYS 216	University Physics 1 with Lab ^{1,2}	4

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Chemistry Education Concentration

Code	Title	Hours
CPSC 146	Programming Principles ^{1,2}	3
EVGE 201	Earth Materials and Processes/Lab	4
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom ¹	3
SEFE 342	Educational Psychology for Diverse Learners ¹	3
Total Hours		13

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

ACS Certification – Optional

Code	Title	Hours
CHEM 490	Independent Study ¹	2
CHEM 496	Research ¹	1
Total Hours		3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships

6. Student teaching (serve as Lab Assistants and tutors)

7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY-BS (6118)

Concentration in Chemistry Education (CHED)

This program is effective as of Summer 2022

Revised 09.18.2025

UCC 03.22.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra (if necessary)	
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
SUBJ 139	University Seminar	3
Inquiry/Thread/Elective (p. 19)		3
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		14
Second Year		
Fall		
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I (if necessary)	

MATH 230	Calculus II	
Hours		15
Spring		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
CPSC 146	Programming Principles	3
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Select one of the following (Civil Discourse):		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18
Third Year		
Fall		
EVGE 201	Earth Materials and Processes/Lab	4
Select one of the following:		7-8
In even years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		17-18
Spring		
Select one of the following:		7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Select one of the following In Depth Chemistry Electives (1 lecture and 1 lab):		4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
CHEM 415 & CHEM 416	Forensic Analysis and Forensic Analysis Lab	
CHEM 475	Advanced Organic Synthesis	
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		17

Fourth Year**Fall**

Select one of the following:

7-8

In fall years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
SEFE 342	Educational Psychology for Diverse Learners	3
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		3
Hours		16-17

Spring

Select one of the following:

7

In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II (even years)	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Select one of the following In Depth Chemistry Electives (1 lecture and 1 lab):		4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
CHEM 415 & 415	Forensic Analysis and Forensic Analysis	
CHEM 475	Advanced Organic Synthesis	
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17
Total Hours**		129-132

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6118

Concentration Code: CHED

Revised date:09.23.2025

Chemistry, Bachelor of Science (BS) - Concentration in Health Sciences

The Slippery Rock University Chemistry Degree is certified by the American Chemistry Society or ACS. In order to earn ACS certification, students must complete 2 credits of Independent Study and 1 credit of Research in addition to the BS requirements. Students can also choose an option concentration in order to broaden their background in chemistry or to gain additional experience if they wish to pursue other interests.

Concentrations are available in the following areas:

- Biochemistry
- Computational Chemistry
- Education
- Environmental Chemistry
- Forensic Chemistry
- Health Sciences

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry. (SRU UG 2, 3, 4)
- Students will demonstrate development of technical skills for practical applications of chemistry. (SRU UG 2, 3, 4, 5)
- Students will present collected experimental data in written and oral reports. (SRU UG 1, 2, 3, 4, 5, 10)
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9, 10)

Related Links

Chemistry - Health Sciences, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-health-sciences/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	54
	Natural Science and Math College-Wide Requirements	12
	Concentration Requirements	24
	ACS Certification –Optional	0-3

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ²	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ²	4
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab ²	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
Subtotal		4
Required Foundation Chemistry Courses		
CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		20
Required In-Depth Chemistry Courses		
CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 302	Physical Chemistry II ¹	3
CHEM 425	Instrumental Analysis ¹	3
CHEM 426	Instrumental Analysis Laboratory ¹	1
CHEM 460	Materials Chemistry ¹	3
Subtotal		14
Additional Required In-Depth Chemistry Courses		
Select four credits (must include one lecture and one lab):		4
CHEM 337	Biochemistry II ¹	
CHEM 338	Biochemistry Laboratory II ¹	
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 415	Forensic Analysis ¹	
CHEM 416	Forensic Analysis Lab ¹	
CHEM 475	Advanced Organic Synthesis ¹	
Subtotal		4
Cognate Courses		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
MATH 230	Calculus II ¹	4
Subtotal		12
Total Hours		54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab ¹	4
Total Hours		12

¹ Course counts for 50% of Major requirements and Major GPA

Health SCIENCES Concentration

Code	Title	Hours
BIOL 250	Genetics with Lab ¹	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab ¹	3
EXER 250 or HCAM 250	Medical Terminology ¹ Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology ¹	3
STAT 152	Elementary Statistics I ¹	3
Total Hours		24

¹ Course counts for 50% of Major requirements and Major GPA

ACS Certification – Optional

Code	Title	Hours
CHEM 490	Independent Study ¹	2
CHEM 496	Research ¹	1
Total Hours		3

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum

categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BS (6118)

Concentration in Health Sciences (CHHS)

This program is effective as of Summer 2022

Revised 09.18.2025

UCC 3.22.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra (if necessary)	
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		18
Second Year		
Fall		
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
BIOL 216	Anatomy and Physiology I with Lab	3
ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		18
Spring		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4

BIOL 217	Anatomy and Physiology II with Lab	3
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Select one of the following Civil Discourse Requirement):		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18

Third Year**Fall**

Select one of the following:		7-8
In even years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry I and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
EXER 250	Medical Terminology	3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16-17

Spring

Select one of the following:		7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Select one of the following In-Depth Chemistry Electives (lecture and lab):		4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
CHEM 415 & CHEM 416	Forensic Analysis and Forensic Analysis Lab	
CHEM 475	Advanced Organic Synthesis	
PSYC 105	Introduction to Psychology	3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17

Fourth Year**Fall**

Select one of the following:		7-8
In even years, select:		
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	
CHEM 442	Inorganic Chemistry	

In odd years, select:

CHEM 301 & CHEM 321	Physical Chemistry I and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16-17

Spring

Select one of the following:		6-7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II (even years)	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Select one of the following In Depth Chemistry Electives (1 lecture and 1 lab):		4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
CHEM 415 & CHEM 416	Forensic Analysis and Forensic Analysis Lab	
CHEM 475	Advanced Organic Synthesis	
BIOL 330	Microbiology/Lab	3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		16-17
Total Hours**		134-138

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6118

Concentration Code: CHHS

Revised date: 09.23.2025

Chemistry, Bachelor of Science (BS) / Pre-Pharmacy (Duquesne) (3+4)

Pre-Acceptance Requirements

To be considered for the pre-acceptance program at Slippery Rock University, students must:

- Have a minimum high school QPA of 3.0.
- Score a minimum of 1130 on their SAT or 23 on their ACT.
- Demonstrate evidence of leadership potential, community service, and involvement in co-curricular activities.
- Provide one letter of recommendation from either a high school teacher or guidance counselor.

To maintain satisfactory progress in the Duquesne pre-pharmacy program, students must:

- Complete the curricular requirements described in their SRU curriculum guide.
- Earn a letter grade of “C” or better in all courses.
- Maintain a minimum QPA of 2.50.

For the 2+4 program: Students should prepare to take the PCAT but October of their sophomore year at Slippery Rock University.

For the 3+4 program: Students should prepare to take the PCAT but October of their junior year at Slippery Rock University.

Before January 15th of their sophomore year (for the 2+4 option) and their junior year (for the 3+4 option), prospective students must apply to Duquesne University. In addition to the grade and QPA requirements listed above, formal acceptance in the PharmD program requires that students:

- Attain a PCAT score of 375 or better.
- Participate in an interview process with the Duquesne University School of Pharmacy faculty.
- Submit a letter of recommendation from the SRU Pre-Pharmacy Selection Committee.
- Provide evidence of leadership potential and commitment to the pharmacy profession.

Preference will be granted to candidates who:

- Attain a PCAT score of 400 or better.
- Maintain a QPA of 3.00 or higher for all science and math courses.
- Maintain a cumulative QPA of 3.00 or higher.

Related Links

Chemistry: Pre-Pharmacy (Duquesne) Program Page ([https://www.sru.edu/academics/majors-and-minors/chemistry-pre-pharmacy-\(duquesne/\)](https://www.sru.edu/academics/majors-and-minors/chemistry-pre-pharmacy-(duquesne/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 3.00 or higher

Math/Science Course GPA: 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	43-44
	Natural Science and Math College-Wide Requirements	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
PHIL 110	Ethics and Civil Discourse	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
<i>Physical Science Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
	Meet required minimum SAT or ACT math score OR	

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Subtotal		4
Required Foundation Chemistry Courses		
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
CHEM 335	Biochemistry I	3
CHEM 336	Biochemistry Laboratory I	1
CHEM 350	Analytical Chemistry	3
CHEM 351	Analytical Chemistry Lab	1
Select one of the following:		4
CHEM 301 & CHEM 321	Physical Chemistry I and Physical Chemistry Laboratory I	
CHEM 442 & CHEM 452	Inorganic Chemistry and Physical Inorganic Chemistry Laboratory	
Subtotal		16
Required In-Depth Chemistry Courses		
CHEM 202	Organic Chemistry II	3
CHEM 212	Organic Chemistry Laboratory II	1
CHEM 337	Biochemistry II	3
CHEM 338	Biochemistry Laboratory II	1
Select one of the following:		3-4
CHEM 302	Physical Chemistry II	
CHEM 460	Materials Chemistry	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
Subtotal		11-12
Cognate Courses		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Subtotal		12
Total Hours		43-44

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4

Additional Pre-Pharmacy Prerequisite Courses

Code	Title	Hours
BIOL 250	Genetics with Lab	4
STAT 152	Elementary Statistics I	3

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Chemistry, BS (6118)

Pre-Pharmacy Duquesne 3+4 (61DQ)

This program is effective as of Summer 2022

Revised 07.06.2022

UCC 03.22.2022

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ²	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra	
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	

MATH 230	Calculus II	
Hours		18
Second Year		
Fall		
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
ENGL 104	Critical Reading	3
PHIL 140	World Religions	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		18
Spring		
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II	4
PHIL 110	Ethics and Civil Discourse	3
PHYS 217	University Physics 2 with Lab	4
PSYC 105	Introduction to Psychology	3
Hours		18
Third Year		
Fall		
Select one of the following:		7-8
In even years, select:		
CHEM 442	Inorganic Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry I and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
Inquiry/Thread/Elective Course (p. 19)		3
Hours		14-15
Spring		
Select one of the following:		6-7
In odd years, select:		
CHEM 442	Inorganic Chemistry	
CHEM 460	Materials Chemistry	
In even years, select:		
CHEM 302	Physical Chemistry II	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4
Inquiry/Thread/Elective (p. 19)		3
Inquiry/Thread/Elective (p. 19)		4
Hours		17-18
Total Hours**		100-103

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Students are encouraged to take ESAP 101 as a Free Elective.

* Prepare to take PCAT by October, Fall of Sophomore Year.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 61DQ

UCC 02.02.2021

Revised: 07.10.2023

Chemistry, Bachelor of Science (BS) / Pre-Pharmacy (LECOM) (3+3)

Slippery Rock University of Pennsylvania (SLIPPERY ROCK) and Lake Erie College of Osteopathic Medicine (LECOM) School of Pharmacy offer a 3+3 Pre-Pharmacy program that culminates with a BS Chemistry degree from SRU and a Doctor of Pharmacy from LECOM if successfully completed. Under the joint agreement between SLIPPERY ROCK and LECOM School of Pharmacy, students must successfully complete the three-year undergraduate program in chemistry at SLIPPERY ROCK and then matriculate into LECOM School of Pharmacy to complete the professional curriculum of the Doctor of Pharmacy degree (Pharm.D.) in three years. After successfully completing the first full year at LECOM, students can earn a BS Chemistry Degree from SRU.

Selection of Studies for the Program

For admission to Phase I of the Program, students must fulfill the following requirements:

- SAT Scores (or ACT scores) 1100 (total of 24); New SAT of 1240 or higher is preferred; ACT of 26 or better.
- High School Grade Point Average (GPA) 3.4 out of 4.0
- Class rank Top 25% of the class
- Letters of recommendation are not required by LECOM to enter into EAP
- Potential Evidence of scholarly activities and desire to become a pharmacist

LECOM School of Pharmacy will not accept advanced placement credit of science and mathematics courses into Phase I of the program.

Admission to Phase II of the Program

The LECOM School of Pharmacy will accept **Slippery Rock** students into the professional pharmacy curriculum who meet the criteria listed below:

- Complete the pre-pharmacy curriculum in Phase I of the 3 + 3 Accelerated Program in Pharmacy as described below (or as amended).
- Earn a minimum GPA of **3.4** in Phase I of the Program. No grade lower than a "C."
- Earn a GPA of **3.2** or higher for science courses.
- Must maintain *full-time* student status while at **Slippery Rock** and complete the Program in the specified time frame.

Submit two letters of recommendation. One of these letters **MUST** be from the Health Professions Committee at SLIPPERY ROCK. The letter will address the personal growth of the student during Phase I of the **Program**, as well as the student's maturity, responsibility, and desire to become a pharmacist.

- Demonstrate leadership potential and commitment to the pharmacy profession.
- Submit a completed application for admission to the LECOM School of Pharmacy.

All questions from students accepted into the 3 + 3 Accelerated Pharmacy Program should be directed to the LECOM School of Pharmacy Admissions Office.

Conferral of Degrees

The Doctor of Pharmacy (Pharm.D.) degree will be conferred upon successful completion of Phase I and Phase II of the Program, both didactic and clinical, and recommendation by both the administration and faculty of the LECOM School of Pharmacy. Conferral of the Pharm.D. degree will be at the end of the three year professional program in pharmacy at the LECOM School of Pharmacy. The Bachelor of Science (B.S.) degree will be conferred on "3+3" students after completion of all SLIPPERY ROCK requirements which includes completion (*with a C or better*) of all courses in the first semester of year one at LECOM.

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry.
- Students will demonstrate development of technical skills for practical applications of chemistry.
- Students will present collected experimental data in written and oral reports.
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor.

Related Links

Chemistry - Pre-Pharmacy, BS Program Page ([https://www.sru.edu/academics/majors-and-minors/chemistry-biochemistry-pre-pharmacy-33-\(lecom/\)](https://www.sru.edu/academics/majors-and-minors/chemistry-biochemistry-pre-pharmacy-33-(lecom/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	47
	Natural Science and Math College-Wide Requirements	12
	Electives	16

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I ²	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ²	4
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab ²	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- Students may not withdraw from any course.
- Please meet with adviser for Rock Studies 2 recommended courses for Pre-Pharmacy
- Recommended Rock Studies 2 Courses:
 - ECON 201 OR ECON 202
 - PSYC 105 OR INDP 104

Code	Title	Hours
Required Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 337	Biochemistry II	3
CHEM 338	Biochemistry Laboratory II	1
Subtotal		24
Chemistry Electives		
Select one of the following:		4
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab ¹	
CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory ¹	
Subtotal		4
Required Math and Science Courses		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
BIOL 250	Genetics with Lab ¹	4
MATH 230	Calculus II ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Subtotal		19
Total Hours		47

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab ¹	4

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BS (6118)

Biochemistry w/3+3 Pre-Pharmacy (61P4)

This program is effective as of Summer 2022

Revised 07.21.2025

UCC 03.22.2022

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Select one of the following:		3-4
MATH 120	Intermediate Algebra (if necessary)	
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	

MATH 230	Calculus II	
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		18-19

Spring

CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus (if necessary)	
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Inquiry/Thread/Elective Course (p. 19)		3
Hours		18

Second Year**Fall**

CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
STAT 152	Elementary Statistics I	3
Select one of the following:		4
MATH 225	Calculus I (if necessary)	
MATH 230	Calculus II	
Hours		18

Spring

CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Select one of the following (Civil Discourse Requirement):		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Inquiry/Thread/Elective Course (p. 19)		3
Hours		18

Third Year**Fall**

Select one of the following:		7-8
In even years, select:		
CHEM 442	Inorganic Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry I and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17-18

Spring

Select one of the following:		4
In odd years, select:		
CHEM 442	Inorganic Chemistry	
CHEM 460	Materials Chemistry	
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17
Total Hours**		106-108

¹ Course offered in multiple subjects; cannot take course in first major subject

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6118

Concentration Code: 61P4

Revised date: 09.23.2025

Chemistry, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2)

Program Learning Outcomes

- Students will demonstrate knowledge of the main disciplines of chemistry, namely *Organic, Analytical, Biological, Physical, and Inorganic* chemistry. (SRU UG 2, 3, 4)
- Students will demonstrate development of technical skills for practical applications of chemistry. (SRU UG 2, 3, 4, 5)
- Students will present collected experimental data in written and oral reports. (SRU UG 1, 2, 3, 4, 5, 10)
- Students and faculty will participate in faculty-led research projects. Students are expected to be actively working in the laboratory under the supervision and guidance of a faculty mentor. (SRU UG 1, 2, 3, 4, 5, 7, 8, 9, 10)

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Related Links

Chemistry - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/chemistry-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

1st Major: Chemistry

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-PA SRU 3+2 Chemistry

- Overall GPA: 3.00 or higher (before Fall 2018)
- Overall GPA: 3.25 or higher (Fall 2018 and after)

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	48
	Natural Science and Math College-Wide Requirements	12
	Electives	27

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ²	4
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab ²	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 24 major credits must be taken at SRU or PASSHE
- 24 major credits must be taken at the 300 level or above
- If you choose to pursue Pre-Physician Assistant SRU 3+2 Chemistry and are not accepted into the PA program, then CHEM 302, CHEM 425, CHEM 426, and CHEM 460 are required to complete a first major in Chemistry. In this case, CHEM 425/CHEM 426 cannot count towards the Additional Required-In-Depth Course Requirement. Please refer to the Chemistry Curriculum Guide.

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
Subtotal		4

Required Foundation Chemistry Courses

CHEM 201	Organic Chemistry I ¹	3
CHEM 211	Organic Chemistry Laboratory I ¹	1
CHEM 301	Physical Chemistry I ¹	3
CHEM 321	Physical Chemistry Laboratory I ¹	1
CHEM 335	Biochemistry I ¹	3
CHEM 336	Biochemistry Laboratory I ¹	1
CHEM 350	Analytical Chemistry ¹	3
CHEM 351	Analytical Chemistry Lab ¹	1
CHEM 442	Inorganic Chemistry ¹	3
CHEM 452	Physical Inorganic Chemistry Laboratory ¹	1
Subtotal		20

Required In-Depth Chemistry Courses

CHEM 202	Organic Chemistry II ¹	3
CHEM 212	Organic Chemistry Laboratory II ¹	1
CHEM 337	Biochemistry II ¹	3
CHEM 338	Biochemistry Laboratory II ¹	1
Subtotal		8

Additional Required In-Depth Chemistry Courses

Select four credits (must include one lecture and one lab):		4
CHEM 340	Air Quality Assessment ¹	
CHEM 370	Water Quality Assessment ¹	
CHEM 415	Forensic Analysis ¹	
CHEM 416	Forensic Analysis Lab ¹	
CHEM 425	Instrumental Analysis	
CHEM 426	Instrumental Analysis Laboratory ¹	
CHEM 475	Advanced Organic Synthesis ¹	
Subtotal		4

Cognate Courses

BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab ¹	4
MATH 230	Calculus II ¹	4
PHYS 217	University Physics 2 with Lab ¹	4
Subtotal		12

Total Hours **48**¹ Course counts for 50% of Major requirements and Major GPA**Natural Science and Math College-Wide Requirements**

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab ¹	4

¹ Course counts for 50% of Major requirements and Major GPA**Additional Physician Assistant Prerequisite Courses**

Code	Title	Hours
BIOL 250	Genetics with Lab	4
BIOL 330	Microbiology/Lab	3
EXER 250	Medical Terminology	3

or HCAM 250	Medical Terminology for Healthcare Administrators	
STAT 152	Elementary Statistics I	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (e.g., Organic Chemistry II Lab)
2. Student-faculty research
3. Student leadership development (Chemistry Club)
4. Career education and development
5. Internships
6. Student teaching (serve as Lab Assistants and tutors)
7. Volunteering

Physician Assistant Studies (Master of Science in Physician Assistant Studies)**Prerequisite Admission Requirements – Pre- Physician Assistant 3+2****For Application Requirements**

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CHEMISTRY - BS (6118)

PRE-PA 3+2 (6SPC)

This program is effective as of Summer 2022

Revised 09.18.2025

UCC 03.22.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ²	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra	
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		15-16
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4

PSYC 105	Introduction to Psychology	3
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		18

Second Year

Fall

CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
BIOL 216	Anatomy and Physiology I with Lab	3
ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		18

Spring

CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
BIOL 217	Anatomy and Physiology II with Lab	3
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Select one of the following (Civil Discourse Requirement):		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18

Third Year

Fall

Select one of the following:		7-8
In even years, select:		
CHEM 442	Inorganic Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In odd years, select:		
CHEM 301 & CHEM 321	Physical Chemistry 1 and Physical Chemistry Laboratory I	
CHEM 350 & CHEM 351	Analytical Chemistry and Analytical Chemistry Lab	
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
EXER 250	Medical Terminology	3
Inquiry/Thread/Elective Course (p. 19)		3
Hours		17-18

Spring

Select one of the following:		7
In odd years, select:		
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
Inquiry/Thread/Elective Course (p. 19)		
In even years, select:		
CHEM 302	Physical Chemistry II	

CHEM 425 & CHEM 426	Instrumental Analysis and Instrumental Analysis Laboratory	
BIOL 330	Microbiology/Lab	3
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4
Inquiry/Thread/Elective (p. 19)		3
Hours		17
Total Hours**		103-105

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Students are encouraged to take ESAP 101 as a Free Elective.

* Prepare to take PCAT by October, Fall of Sophomore Year.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6SPC
UCC 02.02.2021
Revised: 09.23.2025

Chemistry, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (coursed numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Chemistry Courses		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Electives		
Choose from the following:		4
CHEM 202	Organic Chemistry II	
CHEM 212	Organic Chemistry Laboratory II	
CHEM 350	Analytical Chemistry	

CHEM 351	Analytical Chemistry Lab	
Choose from the following:		4
CHEM 301	Physical Chemistry I	
CHEM 321	Physical Chemistry Laboratory I	
CHEM 335	Biochemistry I	
CHEM 336	Biochemistry Laboratory I	
CHEM 340	Air Quality Assessment	
CHEM 370	Water Quality Assessment	
Choose from the following:		4
CHEM 302	Physical Chemistry II	
CHEM 337	Biochemistry II	
CHEM 338	Biochemistry Laboratory II	
CHEM 415	Forensic Analysis	
CHEM 416	Forensic Analysis Lab	
CHEM 425	Instrumental Analysis	
CHEM 426	Instrumental Analysis Laboratory	
CHEM 442	Inorganic Chemistry	
CHEM 452	Physical Inorganic Chemistry Laboratory	
CHEM 460	Materials Chemistry	
CHEM 475	Advanced Organic Synthesis	
CHEM 490	Independent Study	
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN CHEMISTRY (12A)

This program is effective as of Fall 2007.

Revised 8-2019

Chemistry, Pre-Pharmacy (Duquesne) (2+4)

Pre-Acceptance Requirements

To be considered for the pre-acceptance program at Slippery Rock University, students must:

- Have a minimum high school GPA of 3.0.
- Score a minimum of 1130 on their SAT or 23 on their ACT.
- Demonstrate evidence of leadership potential, community service, and involvement in co-curricular activities.

- Provide one letter of recommendation from either a high school teacher or guidance counselor.

To maintain satisfactory progress in the Duquesne pre-pharmacy program, students must:

- Complete the curricular requirements described in their SRU curriculum guide.
- Earn a letter grade of "C" or better in all courses.
- Maintain a minimum QPA of 2.50.

For the 2+4 program: Students should prepare to take the PCAT but October of their sophomore year at Slippery Rock University.

For the 3+4 program: Students should prepare to take the PCAT but October of their junior year at Slippery Rock University.

Before January 15th of their sophomore year (for the 2+4 option) and their junior year (for the 3+4 option), prospective students must apply to Duquesne University. In addition to the grade and QPA requirements listed above, formal acceptance in the PharmD program requires that students:

- Attain a PCAT score of 375 or better.
- Participate in an interview process with the Duquesne University School of Pharmacy faculty.
- Submit a letter of recommendation from the SRU Pre-Pharmacy Selection Committee.
- Provide evidence of leadership potential and commitment to the pharmacy profession.

Preference will be granted to candidates who:

- Attain a PCAT score of 400 or better.
- Maintain a QPA of 3.00 or higher for all science and math courses.
- Maintain a cumulative QPA of 3.00 or higher.

Related Links

Chemistry: Pre-Pharmacy (Duquesne) Program Page ([https://www.sru.edu/academics/majors-and-minors/chemistry-pre-pharmacy-\(duquesne/\)](https://www.sru.edu/academics/majors-and-minors/chemistry-pre-pharmacy-(duquesne/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 3.00 or higher

Math/Science Course GPA: 3.00 or higher

Summary

Code	Title	Hours
	Rock Studies 2 Requirements	33
	Other Basic Requirements	0-3
	Major/Concentration Requirements	24
	Natural Science and Math College-Wide Requirements	12

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3

PHIL 110	Ethics and Civil Discourse	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
<i>Physical Science Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Total Hours		33

¹ Course offered in multiple subjects; cannot take course in first major subject

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

Code	Title	Hours
Required Introductory Chemistry Courses		
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Subtotal		4
Required Foundation Chemistry Courses		
CHEM 201	Organic Chemistry I	3
CHEM 211	Organic Chemistry Laboratory I	1
Subtotal		4
Required In-Depth Chemistry Courses		
CHEM 202	Organic Chemistry II	3

CHEM 212	Organic Chemistry Laboratory II	1
Subtotal		4
Cognate Courses		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Subtotal		12
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4

Additional Pre-Pharmacy Prerequisite Courses

Code	Title	Hours
BIOL 250	Genetics with Lab	4
PHIL 110	Ethics and Civil Discourse	3
PHIL 140	World Religions	3
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I	3

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Chemistry/Pre-Pharmacy Duquesne 2+4 (61DP)

This program is effective as of Summer 2022

Revised 07.06.2022

UCC 03.22.2022

Recommended Two-Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3

ESAP 101	FIRST Seminar ²	1
Select one of the following:		3-4
MATH 120	Intermediate Algebra	
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		15-16

Spring

CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
BIOL 250	Genetics with Lab	4
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		18

Second Year

Fall

CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
ENGL 104	Critical Reading	3
PHIL 140	World Religions	3
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		4
MATH 225	Calculus I	
MATH 230	Calculus II	
Hours		18

Spring

CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
MATH 230	Calculus II	4
PHIL 110	Ethics and Civil Discourse	3
PHYS 217	University Physics 2 with Lab	4
PSYC 105	Introduction to Psychology	3
Hours		18
Total Hours**		69-70

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Students are encouraged to take ESAP 101 as a Free Elective.

* Prepare to take PCAT by October, Fall of Sophomore Year.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 61DP

UCC 02.02.2021

Revised: 07.10.2023

Computer Science

Programs

Majors

- Computing, Bachelor of Science (BS) - Concentration in Computer Science (p. 293)
- Computing, Bachelor of Science (BS) - Concentration in Computer Science with Concentration in Bioinformatics (p. 296)
- Computing, Bachelor of Science (BS) - Concentration in Computer Science/Advanced Piloting (CCBC) (p. 298)
- Computing, Bachelor of Science (BS) - Concentration in Computer Science/Professional Pilot (CCBC) (p. 298)
- Computing, Bachelor of Science (BS) - Concentration in Computing Analytics (p. 298)
- Computing, Bachelor of Science (BS) - Concentration in Computing Analytics/Advanced Piloting (CCBC) (p. 301)
- Computing, Bachelor of Science (BS) - Concentration in Computing Analytics/Professional Pilot (CCBC) (p. 301)
- Computing, Bachelor of Science (BS) - Concentration in Information Technology (p. 301)
- Computing, Bachelor of Science (BS) - Concentration in Information Technology/Advanced Piloting (CCBC) (p. 304)
- Computing, Bachelor of Science (BS) - Concentration in Information Technology/Professional Pilot (CCBC) (p. 304)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development (p. 305)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development/Advanced Piloting (CCBC) (p. 308)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development/Professional Pilot (CCBC) (p. 308)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance (p. 308)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance/Advanced Piloting (CCBC) (p. 311)
- Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance/Professional Pilot (CCBC) (p. 311)

minors

- Computing, Minor (p. 304)
- Cybersecurity, Minor (p. 312)
- Health Informatics, Minor (p. 312)

certificates

- Big Data Science, Certificate (p. 293)

Big Data Science, Certificate

Data analytical skills are considered one of the most sought skills in different domains. The big data science certificate will provide students to master these skills and help them learn how to deal with complex data. After completing the certificate, students will have mastered programming skills, fundamentals of statistics, basics and advanced approaches for processing data in tabular format, principles of big data analytics, as well as modern descriptive, predictive, and prescriptive analytical techniques. The certificate helps meet the growing demand for data science professionals.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Data Science Certificate Program Page ([https://www.sru.edu/academics/certificates/data-science-certificate-\(online/\)](https://www.sru.edu/academics/certificates/data-science-certificate-(online/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required Courses		
CPSC 146	Programming Principles	3
CPSC 236	Selected Computer Languages (Python)	3
CPSC 323	Fundamentals of Database Systems	3
CPSC 405	Data Mining and Data Analysis	3
CPSC 485	Big Data Analytics	3
STAT 152	Elementary Statistics I	3
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN BIG DATA SCIENCE (6BDS)

This program is effective as of Summer 2025

Revised 04.15.2025

UCC: 01.28.2025

Computing, Bachelor of Science (BS) - Concentration in Computer Science

Program Learning Outcomes

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (UWO#2)
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (UWO#2)

- Communicate effectively in a variety of professional contexts (UWO#1)
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles (UWO#8, 10)
- Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline (UWO#1)

Related Links

Computing - Computer Science, BS Flowchart (<https://www.sru.edu/documents/academics/departments/computer-science/course-flowchart-compsci-computer-science-concentration.pdf>)

Computing - Computer Science, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/computing-computer-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Computer Competency		0-3
Major/Concentration Requirements		54
Electives		23-24

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
CPSC 130	Introduction to Computing and Programming ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 311	Discrete Computational Structures ¹	3

CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 423	Computer Networks ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		24

Computer Science Core Courses

CPSC 246	Object-Oriented Programming ¹	3
CPSC 370	Computer Organization and Architecture ¹	3
CPSC 374	Algorithms and Data Structures ¹	3
CPSC 376	Programming Language and Theory ¹	3
CPSC 474	Advanced Architecture & Parallel Computing	3
CPSC 456	Introduction to Computer Graphics ¹	3
CPSC 476	Artificial Intelligence ¹	3
CPSC 488	Software Engineering ¹	3
Subtotal		24

Computer Science Electives

Choose one from the following: 3

CPSC 217	Advanced Web Programming ¹	
CPSC 236	Selected Computer Languages (the student is required to take CPSC 236: Selected Languages: Python to be counted as the elective) ¹	
CPSC 237	Mobile App Development for Smart Devices ¹	
CPSC 315	Internet of Things (IoT) ¹	

Choose one from the following: 3

CPSC 405	Data Mining and Data Analysis ¹	
CPSC 406	Data Visualization ¹	
CPSC 450	Internship ¹	
CPSC 478	Analysis of Algorithms	
CPSC 480	Topics in Computer Science: Machine Learning	
CPSC 485	Big Data Analytics ¹	
Subtotal		6

Total Hours 54¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Capstone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships

5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)

6. Industry Awareness Night

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PASSHE - Pennsylvania State System of Higher Education Institutions

COMPUTING - BS (6420)

Concentration in Computer Science (642C)

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 01.28.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CPSC 130	Introduction to Computing and Programming	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
CPSC 146	Programming Principles	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Hours		15-16
Second Year		
Fall		
CPSC 207	Shell Commands and Scripting	3
CPSC 246	Object-Oriented Programming	3
STAT 152	Elementary Statistics I	3

SCI 101	Science of Life (or CS Elective)	3
Computer Science Elective or Free Elective ³		3
Declare a Thematic Thread ²		
Hours		15
Spring		
CPSC 323	Fundamentals of Database Systems	3
CPSC 370	Computer Organization and Architecture (S)	3
Humanities Inquiry (p. 19)		3
SCI 102	Understanding the Physical World	3
Computer Science Elective or Free Elective ³		3
Hours		15
Third Year		
Fall		
CPSC 311	Discrete Computational Structures	3
CPSC 300	Challenges of Computer Technology	3
CPSC 376	Programming Language and Theory (F)	3
Thematic Thread Requirement (p. 19)		3
Computer Science Elective or Free Elective ³		3
Hours		15
Spring		
CPSC 327	Administration and Security (S)	3
CPSC 374	Algorithms and Data Structures (S)	3
Thematic Thread Requirement (p. 19)		3
Computer Science Elective or Free Elective ³		3
Computer Science Elective or Free Elective ³		3
Hours		15
Fourth Year		
Fall		
CPSC 423	Computer Networks (F)	3
CPSC 474	Advanced Architecture & Parallel Computing (F)	3
Thematic Thread Requirement (p. 19)		3
Computer Science Elective or Free Elective ³		3
Computer Science Elective or Free Elective ³		3
Hours		15
Spring		
CPSC 488	Software Engineering (S)	3
CPSC 476	Artificial Intelligence	3
Thematic Thread Requirement (p. 19)		3
Computer Science Elective or Free Elective ³		4
Hours		13
Total Hours**		119-120

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Computer Science Electives - 9 Credits required:
 Select one of the following: CPSC 217, CPSC 236, CPSC 237, CPSC 315
 Select one of the following: CPSC 405, CPSC 476
 Select one of the following: CPSC 406, CPSC 450, CPSC 456, CPSC 478, CPSC 480, CPSC 485

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6420
 Concentration: 642C
 Revised date: 06.10.2022

Computing, Bachelor of Science (BS) - Concentration in Computer Science with Concentration in Bioinformatics

Program Learning Outcomes

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (UWO#2)
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (UWO#2)
- Communicate effectively in a variety of professional contexts (UWO#1)
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles (UWO#8, 10)
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline (UWO#1)

Related Links

Computing - Computer Science Bioinformatics, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/computing-computer-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
 Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44-45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	54
	Bioinformatics Concentration Requirements	18
	Electives	3-4

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical and Natural Science Inquiry</i>		
Select one of the following:		4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
BIOL 101 & BIOL 100	General Biology and Introductory Biology Laboratory	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44-45

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
CPSC 130	Introduction to Computing and Programming ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 423	Computer Networks ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		24
Computer Science Core Courses		
CPSC 236	Selected Computer Languages (the student is required to take CPSC 236: Selected Languages: Python) ¹	3
CPSC 246	Object-Oriented Programming ¹	3
CPSC 370	Computer Organization and Architecture ¹	3
CPSC 374	Algorithms and Data Structures ¹	3
CPSC 376	Programming Language and Theory ¹	3
CPSC 474	Advanced Architecture & Parallel Computing ¹	3
CPSC 476	Artificial Intelligence ¹	3
CPSC 488	Software Engineering ¹	3
Subtotal		24
Computer Science Electives		
Select one of the following:		3
CPSC 217	Advanced Web Programming ¹	
CPSC 237	Mobile App Development for Smart Devices ¹	
CPSC 315	Internet of Things (IoT) ¹	
Select one of the following:		3
CPSC 405	Data Mining and Data Analysis ¹	
CPSC 406	Data Visualization ¹	
CPSC 450	Internship ¹	
CPSC 456	Introduction to Computer Graphics ¹	
CPSC 478	Analysis of Algorithms	
CPSC 480	Topics in Computer Science: Machine Learning	

CPSC 485	Big Data Analytics ¹	
Subtotal		6
Total Hours		54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Bioinformatics Concentration

Code	Title	Hours
CHEM 201	Organic Chemistry I	3
BIOL 325	Biostatistics and Experimental Design with Lab	3
BIOL 335	Cell Biology	3
BIOL 370	Molecular Biology	3
CPSC 342	Introduction to Bioinformatics	3
CPSC 415	Advanced Bioinformatics	3
Total Hours		18

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Capstone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)
6. Industry Awareness Night

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

COMPUTING - BS (6420)

Concentration in Computer Science (642C)

w/optional Concentration in Bioinformatics (644C)

This program is effective as of Summer 2024

Revised 09.18.2025

UCC 11.28.2023

Computing, Bachelor of Science (BS) - Concentration in Computer Science/Advanced Piloting (CCBC)

Related Links

Computing - Computer Science/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Bachelor of Science (BS) - Concentration in Computer Science/Professional Pilot (CCBC)

Related Links

Computing - Computer Science/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Bachelor of Science (BS) - Concentration in Computing Analytics

Program Learning Outcomes

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (UWO#2)
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (UWO#2)
- Communicate effectively in a variety of professional contexts (UWO#1)
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles (UWO#8, 10)
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline (UWO#1)

Related Links

Computing - Computing Analytics, BS Flowchart (<https://www.sru.edu/documents/academics/departments/computer-science/course-flowchart-compsci-concentratin-computing-analytics.pdf>)

Computing - Computing Analytics, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/computing-computing-analytics/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major/Concentration Requirements		54
Electives		23-24

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-43

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
CPSC 130	Introduction to Computing and Programming ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 423	Computer Networks ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		24
Computing Analytics Core Courses		
CPSC 236	Selected Computer Languages (the student is required to take CPSC 236: Selected Languages: Python) ¹	3
CPSC 246	Object-Oriented Programming ¹	3
CPSC 370	Computer Organization and Architecture	3
CPSC 374	Algorithms and Data Structures ¹	3
CPSC 405	Data Mining and Data Analysis ¹	3
CPSC 474	Advanced Architecture & Parallel Computing	3
CPSC 480	Topics in Computer Science: Machine Learning ¹	3
CPSC 485	Big Data Analytics ¹	3

Subtotal	24
Computer Science Electives	
Choose two from the following:	6
MATH 225 Calculus I	
CPSC 406 Data Visualization ¹	
CPSC 450 Internship ¹	
CPSC 456 Introduction to Computer Graphics ¹	
CPSC 476 Artificial Intelligence ¹	
CPSC 478 Analysis of Algorithms ¹	
Subtotal	6
Total Hours	54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Capstone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)
6. Industry Awareness Night

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

COMPUTING - BS (6420)

Concentration in Computing Analytics (COAN)

This program is effective as of Summer 2024

Revised 09.18.2025

UCC 11.28.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CPSC 130	Introduction to Computing and Programming	3

ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3

Hours 16

Spring

CPSC 146	Programming Principles	3
Select one of the following:		3-4

MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	

ENGL 104	Critical Reading	3

Select one of the following: 3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Social Science Inquiry (p. 19)		3

Hours 15-16

Second Year

Fall

CPSC 207	Shell Commands and Scripting	3
CPSC 246	Object-Oriented Programming	3
STAT 152	Elementary Statistics I	3
SCI 101	Science of Life (or CA Elective)	3
Computer Analytics Electives or Free Electives (p. 301)		3

Declare a Thematic Thread ²

Hours 15

Spring

CPSC 323	Fundamentals of Database Systems	3
CPSC 370	Computer Organization and Architecture	3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Computer Analytics Electives or Free Electives (p. 301)		3

Hours 15

Third Year

Fall

CPSC 311	Discrete Computational Structures	3
CPSC 300	Challenges of Computer Technology	3
CPSC 405	Data Mining and Data Analysis	3
Thematic Thread Requirement (p. 19)		3
Computer Analytics Electives or Free Electives (p. 301)		3

Hours 15

Spring

CPSC 327	Administration and Security	3
CPSC 374	Algorithms and Data Structures	3
Thematic Thread Requirement (p. 19)		3
Computer Analytics Electives or Free Electives (p. 301)		3

Computer Analytics Electives or Free Electives (p. 301)		3
Hours		15
Fourth Year		
Fall		
CPSC 423	Computer Networks	3
CPSC 474	Advanced Architecture & Parallel Computing	3
CPSC 480	Topics in Computer Science: Machine Learning	3
Thematic Thread Requirement (p. 19)		3
Computer Analytics Elective or Free Elective		3
Hours		15
Spring		
CPSC 485	Big Data Analytics	3
Thematic Thread Requirement (p. 19)		3
Computer Analytics Electives or Free Electives (p. 301)		4
Computer Analytics Electives or Free Electives (p. 301)		3
Hours		13
Total Hours**		119-120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Computer Analytics Elective Courses

Code	Title	Hours
Select six credits of the following:		6
CPSC 406	Data Visualization	
CPSC 450	Internship ¹	
CPSC 456	Introduction to Computer Graphics	
CPSC 476	Artificial Intelligence	
CPSC 478	Analysis of Algorithms	
MATH 225	Calculus I	

¹ Jr. or Sr. Computing major with 3.0 GPA. Application required.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6420

Concentration Code: COAN

Revised date: 06.10.2022

Computing, Bachelor of Science (BS) - Concentration in Computing Analytics/Advanced Piloting (CCBC)

Related Links

Computing - Computing Analytics/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Bachelor of Science (BS) - Concentration in Computing Analytics/Professional Pilot (CCBC)

Related Links

Computing - Computing Analytics/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Bachelor of Science (BS) - Concentration in Information Technology

Program Learning Outcomes

- Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions (UWO#2)
- Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline (UWO#2)
- Communicate effectively in a variety of professional contexts (UWO#1)
- Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles (UWO#8, 10)
- Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline (UWO#1)

Related Links

Computing - Information Technology, BS Flowchart (<https://www.sru.edu/documents/academics/departments/computer-science/course-flowchart-compsci-infotech-concentration.pdf>)

Computing - Information Technology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/computing-information-technology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42-43
Other Basic Requirements		0-3
Major/Concentration Requirements		54
Electives		23-24

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15-16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-43

- ¹ Course offered in multiple subjects; cannot take course in first major subject
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
CPSC 130	Introduction to Computing and Programming ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 423	Computer Networks ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		24
Information Technology Core Courses		
CPSC 217	Advanced Web Programming ¹	3
CPSC 237	Mobile App Development for Smart Devices ¹	3
CPSC 315	Internet of Things (IoT) ¹	3
CPSC 317	Server-Side Scripting ¹	3
CPSC 327	Administration and Security ¹	3
CPSC 427	IT Capstone Project ¹	3
Subtotal		18
Information Technology Electives		
Select two courses in sequence from one of the following areas:		6
<i>Cybersecurity</i>		
CPSC 301	Practical Computer Security ¹	

CYBR 101	Cybersecurity in the Era of Evolving Technology ¹	
Management		
MGMT 351	Organizational Behavior ¹	
Any MGMT course 300 level or above ¹		
Information Technology Electives		
Select two additional courses from the following (one must be 300 level or above):		6
CPSC 125	3D Modeling for Computing ¹	
CPSC 236	Selected Computer Languages ¹	
CPSC 246	Object-Oriented Programming ¹	
CPSC 301	Practical Computer Security ¹	
CPSC 333	Introduction to Computer Forensics ¹	
CPSC 405	Data Mining and Data Analysis ¹	
CPSC 406	Data Visualization ¹	
CPSC 417	Advanced Web Technologies ¹	
CPSC 450	Internship ¹	
CPSC 456	Introduction to Computer Graphics ¹	
CSS 354	Risk Assessment and Fraud Prevention ¹	
Subtotal		12
Total Hours		54

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Capstone Course, Semester Projects)
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Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

COMPUTING - BS (6420)

Concentration in Information Technology (643C)

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 01.28.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CPSC 130	Introduction to Computing and Programming	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
CPSC 146	Programming Principles	3
Select one of the following:		3-4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
STAT 152	Elementary Statistics I	
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Hours		15-16
Second Year		
Fall		
CPSC 207	Shell Commands and Scripting	3
CPSC 217	Advanced Web Programming	3
STAT 152	Elementary Statistics I	3
SCI 101	Science of Life (or IT Elective)	3
IT Elective or Free Elective (p. 304)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
CPSC 323	Fundamentals of Database Systems	3
IT Elective or Free Elective (p. 304)		3
CPSC 300	Challenges of Computer Technology	3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Hours		15
Third Year		
Fall		
CPSC 237	Mobile App Development for Smart Devices	3
CPSC 311	Discrete Computational Structures	3
CPSC 317	Server-Side Scripting	3

Select one of the following:	3
CYBR 101 Cybersecurity in the Era of Evolving Technology	
MGMT3xx/4xx Management Elective	
Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
CPSC 315 Internet of Things (IoT)	3
CPSC 327 Administration and Security	3
Select one of the following:	3
CPSC 301 Practical Computer Security	
MGMT 351 Organizational Behavior	
Thematic Thread Requirement (p. 19)	3
IT Elective or Free Elective (p. 304)	3
Hours	15
Fourth Year	
Fall	
CPSC 423 Computer Networks	3
IT Elective or Free Elective (p. 304)	3
IT Elective or Free Elective (p. 304)	3
IT Elective or Free Elective (p. 304)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
CPSC 427 IT Capstone Project	3
Thematic Thread Requirement (p. 19)	3
IT Elective or Free Elective (p. 304)	3
IT Elective or Free Elective (p. 304)	4
Hours	13
Total Hours**	119-120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

** Jr. or Sr. Computing major with 3.0 GPA. Application required

IT Elective Courses

Code	Title	Hours
CPSC 125	3D Modeling for Computing	3
CPSC 236	Selected Computer Languages	3
CPSC 246	Object-Oriented Programming	3
CPSC 301	Practical Computer Security	3
CPSC 333	Introduction to Computer Forensics	3
CPSC 405	Data Mining and Data Analysis	3
CPSC 406	Data Visualization	3
CPSC 417	Advanced Web Technologies	3
CPSC 450	Internship	3
CSS 354	Risk Assessment and Fraud Prevention	3

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to**

review and confirm your plan with your adviser at least once each academic year.

Major Code: 6420

Concentration Code: 643C

Revised Date: 04.29.2022

Computing, Bachelor of Science (BS) - Concentration in Information Technology/Advanced Piloting (CCBC)

Related Links

Computing - Information Technology/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Bachelor of Science (BS) - Concentration in Information Technology/Professional Pilot (CCBC)

Related Links

Computing - Information Technology/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Computing, Minor

The Computing Minor is designed to offer students the opportunity to learn the fundamentals of computers as well as the critical issues related to the computerization of society, learn the basics of programming languages for developing different types of applications, master shell programming in prevalent operating systems, as well as the ability to manage data repositories.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- The Computing minor must submit this self-maintained curriculum guide to the Computer Science Department for verification.

Code	Title	Hours
Core Requirements		
CPSC 130	Introduction to Computing and Programming	3
CPSC 146	Programming Principles	3
CPSC 207	Shell Commands and Scripting	3
CPSC 300 or MIS 300	Challenges of Computer Technology	3
CPSC 323 or MIS 323	Fundamentals of Database Systems Data Base Systems	3
Computer Science Electives		
Select two of the following courses:		6
CPSC 217	Advanced Web Programming	
CPSC 237	Mobile App Development for Smart Devices	
CPSC 246	Object-Oriented Programming	
CPSC 315	Internet of Things (IoT)	
Additional Elective		
Select three credits from the electives below		3
Additional Electives (p. 305)		
Total Hours		24

Additional Electives

Code	Title	Hours
CPSC 317	Server-Side Scripting	3
CPSC 327	Administration and Security	3
CPSC 333 or MIS 333	Introduction to Computer Forensics	3
CPSC 337	Introduction to Web Graphics	3
CPSC 370	Computer Organization and Architecture	3
CPSC 374	Algorithms and Data Structures	3
CPSC 376	Programming Language and Theory	3
CPSC 405 or CPSC 605	Data Mining and Data Analysis	3
CPSC 406 or CPSC 606	Data Visualization	3
CPSC 417	Advanced Web Technologies	3
CPSC 423	Computer Networks	3
CPSC 427	IT Capstone Project	3
CPSC 450	Internship	3
CPSC 456	Introduction to Computer Graphics	3
CPSC 464	Principles of Concurrent Programming and Operating Systems	3
CPSC 476	Artificial Intelligence	3
CPSC 480	Topics in Computer Science: Machine Learning	3
CPSC 488	Software Engineering	3
ART 214	Intermediate Studio Digital Media	3
COMM 201	Digital Imaging	3

COMM 248	Interactive Multimedia 1	3
COMM 254	Video Production	3
COMM 258	Interactive Multimedia 2	3
COMM 350	Editing for Video	3
COMM 359	Interactive Multimedia 3	3
ECON 219 or MGMT 219	Business Analytics I	3
MGMT 351	Organizational Behavior	3
MIS 265	Management Information Systems	3
MIS 413	Systems Analysis	3
MKTG 230	Principles of Marketing	3
STAT 152	Elementary Statistics I	3

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Computing (14D)

This program is effective as of Fall 2019.

Revised 09.18.2025

UCC 3.26.2019

Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development

Program Learning Outcomes

- **Problem Solving and Critical Thinking**
 - Formulate project requirements and alternative solutions appropriate to the problem in a secure manner (UWO#2)
 - Integrate design and implementation principles to develop effective software without introduction of vulnerabilities (UWO#2)
 - Perform analyze software security and the efficiency of algorithms (UWO#4)
 - Implement solutions to computing problems written in various programming languages (UWO#2)
 - Use appropriate tools and techniques for identifying malware and other vulnerabilities (UWO#2)
- **Communication and Interpersonal Skills**
 - Document all aspects of secure software precisely and clearly (UWO#1)
 - Use written, oral, and electronic communication to convey technical information effectively (UWO#1)

- Accurately communicate security analyses, policies, and methodologies (UWO#1)
- Work cooperatively in teams and with others (UWO#5)
- **Ethical and Professional Responsibilities**
 - Determine the effects of security policy models in a global society (UWO#8)
 - Recognize the important legal and policy issues in the development of secure systems (UWO#10)
 - Demonstrate an awareness of the codes of professional ethics in the information technology industry (UWO#8)
 - Plan for and ensure the security, privacy, and integrity of data (UWO#10)
 - Recognize the need for continuing professional development (UWO#7)

Related Links

Cybersecurity - Secure Software Development, BS Flowchart (<https://www.sru.edu/documents/academics/departments/computer-science/course-flowchart-cybersec-concentration-secure-software-development.pdf>)

Cybersecurity - Secure Software Development, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		43
Other Basic Requirements		0-3
Major Requirements		60
Electives		17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		43

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
CPSC 130	Introduction to Computing and Programming ¹	3

CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 301	Practical Computer Security ¹	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 327	Administration and Security ¹	3
CPSC 423	Computer Networks ¹	3
CYBR 101	Cybersecurity in the Era of Evolving Technology ¹	3

Subtotal 30

Secure Software Development Required Courses

CPSC 246	Object-Oriented Programming ¹	3
CPSC 374	Algorithms and Data Structures ¹	3
CPSC 376	Programming Language and Theory ¹	3
CPSC 488	Software Engineering ¹	3
CYBR 301	Secure Programming	3
CYBR 353	Software Assurance ¹	3
CYBR 401	Software Security Analysis ¹	3
CYBR 471	Malware Analysis ¹	3
Subtotal		24

Secure Software Development Electives

Select two of the following: 6

CPSC 236	Selected Computer Languages (the student is required to take CPSC 236: Selected Languages: Python) ¹	
CPSC 333	Introduction to Computer Forensics ¹	
CPSC 370	Computer Organization and Architecture ¹	
CPSC 450	Internship ¹	
CPSC 474	Advanced Architecture & Parallel Computing ¹	
CPSC 478	Analysis of Algorithms ¹	
CPSC 480	Topics in Computer Science: Machine Learning ¹	

Subtotal 6

Total Hours 60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Cap-Stone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships

5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)

6. Industry Awareness Night

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CYBERSECURITY (6421)

Concentration in Secure Software Development (SSDE)

This program is effective as of Summer 2024

Revised 09.18.2025

UCC 11.28.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CPSC 130	Introduction to Computing and Programming	3
CYBR 101	Cybersecurity in the Era of Evolving Technology	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
CPSC 146	Programming Principles	3
CPSC 301	Practical Computer Security	3
ENGL 104	Critical Reading	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16

Second Year

Fall

CPSC 207	Shell Commands and Scripting	3
CPSC 246	Object-Oriented Programming	3
SCI 101	Science of Life (or CE Elective)	3

Creative & Aesthetic Inquiry (p. 19)	3
Social Science Inquiry (p. 19)	3
Declare a Thematic Thread ²	
Hours	15

Spring

CPSC 323	Fundamentals of Database Systems	3
CYBR 301	Secure Programming	3
CPSC 300	Challenges of Computer Technology	3
SCI 102	Understanding the Physical World (or Cybersecurity Elective)	3
Humanities Inquiry (p. 19)		3
Hours		15

Third Year**Fall**

CPSC 311	Discrete Computational Structures	3
CPSC 376	Programming Language and Theory	3
CYBR 353	Software Assurance	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 308)		3
Hours		15

Spring

CPSC 327	Administration and Security	3
CPSC 374	Algorithms and Data Structures	3
CYBR 401	Software Security Analysis	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 308)		3
Hours		15

Fourth Year**Fall**

CPSC 423	Computer Networks	3
CYBR 471	Malware Analysis	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 308)		3
Cyber Elective or Free Elective (p. 308)		3
Hours		15

Spring

CPSC 488	Software Engineering	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 308)		3
Cyber Elective or Free Elective (p. 308)		4
Hours		13
Total Hours**		120

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Cyber Elective - CE Courses

Code	Title	Hours
Select six credits		
CPSC 333	Introduction to Computer Forensics	3

CPSC 370	Computer Organization and Architecture	3
CPSC 474	Advanced Architecture & Parallel Computing	3
CPSC 450	Internship ¹	1-12
CPSC 478	Analysis of Algorithms	3

¹ Jr. or Sr. Computing major with 3.0 GPA. Application required

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6421

Concentration: SSDE

Revised date: 06.10.2022

Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development/Advanced Piloting (CCBC)

Related Links

Cybersecurity - Secure Software Development/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Cybersecurity, Bachelor of Science (BS) - Concentration in Secure Software Development/Professional Pilot (CCBC)

Related Links

Cybersecurity - Secure Software Development/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance

Program Learning Outcomes

- Problem Solving and Critical Thinking
 - Formulate project requirements and alternative solutions appropriate to the problem in a secure manner (UWO#2)

- Integrate design and implementation principles to develop effective software without introduction of vulnerabilities (UWO#2)
- Perform analyze software security and the efficiency of algorithms (UWO#4)
- Implement solutions to computing problems written in various programming languages (UWO#2)
- Use appropriate tools and techniques for identifying malware and other vulnerabilities (UWO#2)
- **Communication and Interpersonal Skills**
 - Document all aspects of secure software precisely and clearly (UWO#1)
 - Use written, oral, and electronic communication to convey technical information effectively (UWO#1)
 - Accurately communicate security analyses, policies, and methodologies (UWO#1)
 - Work cooperatively in teams and with others (UWO#5)
- **Ethical and Professional Responsibilities**
 - Determine the effects of security policy models in a global society (UWO#8)
 - Recognize the important legal and policy issues in the development of secure systems (UWO#10)
 - Demonstrate an awareness of the codes of professional ethics in the information technology industry (UWO#8)
 - Plan for and ensure the security, privacy, and integrity of data (UWO#10)
 - Recognize the need for continuing professional development (UWO#7)

Related Links

Cybersecurity - Security Governance, BS Flowchart (<https://www.sru.edu/documents/academics/departments/computer-science/course-flowchart-cybersec-concentration-security-governance.pdf>)

Cybersecurity - Security Governance, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	43
	Other Basic Requirements	0-3
	Major Requirements	60
	Electives	17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following:		4
MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		43

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
CPSC 130	Introduction to Computing and Programming ¹	3
CPSC 146	Programming Principles ¹	3
CPSC 207	Shell Commands and Scripting ¹	3
CPSC 300	Challenges of Computer Technology ¹	3
CPSC 301	Practical Computer Security	3
CPSC 311	Discrete Computational Structures ¹	3
CPSC 323	Fundamentals of Database Systems ¹	3
CPSC 327	Administration and Security ¹	3
CPSC 423	Computer Networks ¹	3
CYBR 101	Cybersecurity in the Era of Evolving Technology ¹	3
Subtotal		30
Security Governance Required Courses		
CPSC 102	Collaborative Information Technology and Society ¹	3
CPSC 217 or CPSC 246	Advanced Web Programming ¹ Object-Oriented Programming	3
CPSC 237	Mobile App Development for Smart Devices ¹	3
CPSC 333	Introduction to Computer Forensics ¹	3
CPSC 468	Software Engineering and Project Management ¹	3
CSS 120	Introduction to Private Security	3
CSS 240	Security Management	3
MIS 401	Information Systems Security ¹	3
Subtotal		24
Security Governance Electives		
Select two of the following:		6
CPSC 236	Selected Computer Languages (the student is required to take CPSC 236: Selected Languages: Python) ¹	
CPSC 450	Internship ¹	
CSS 310	Organizational Continuity and Resilience	
CSS 351	Fraud	
CSS 354	Risk Assessment and Fraud Prevention	
Subtotal		6
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes (Learning Community, Cap-Stone Course, Semester Projects)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering (Summer Day Camps, Semester Workshops for K-12 students, Robot demos for visitors/local school districts)
6. Industry Awareness Night

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions
CYBERSECURITY (6421)
Concentration in Security Governance (SEGV)
This program is effective as of Summer 2025
Revised 09.18.2025
UCC 01.28.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CPSC 130	Introduction to Computing and Programming	3
CYBR 101	Cybersecurity in the Era of Evolving Technology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 120 or SCI 101	Intermediate Algebra or Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
CPSC 102	Collaborative Information Technology and Society	3
CPSC 146	Programming Principles	3
ENGL 104	Critical Reading	3
Select one of the following:		4

MATH 125	Precalculus	
MATH 225	Calculus I	
MATH 230	Calculus II	
MATH 231	Calculus III	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16

Second Year**Fall**

CPSC 207	Shell Commands and Scripting	3
CPSC 246 or CPSC 217	Object-Oriented Programming or Advanced Web Programming	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15

Spring

CPSC 323	Fundamentals of Database Systems	3
CPSC 301	Practical Computer Security	3
SCI 102	Understanding the Physical World	3
CSS 120	Introduction to Private Security	3
Humanities Inquiry (p. 19)		3
Hours		15

Third Year**Fall**

CPSC 237	Mobile App Development for Smart Devices	3
CPSC 300	Challenges of Computer Technology	3
CSS 240	Security Management	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 311)		3
Hours		15

Spring

CPSC 327	Administration and Security	3
CPSC 311	Discrete Computational Structures	3
CPSC 333	Introduction to Computer Forensics	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 311)		3
Hours		15

Fourth Year**Fall**

CPSC 423	Computer Networks	3
Thematic Thread Requirement (p. 19)		3
Cyber Elective or Free Elective (p. 311)		3
Cyber Elective or Free Elective (p. 311)		3
Cyber Elective or Free Elective (p. 311)		3
Hours		15

Spring

MIS 401	Information Systems Security	3
MIS 443	Project Management	3

Thematic Thread Requirement (p. 19)	3
Cyber Elective or Free Elective (p. 311)	4
Hours	13
Total Hours**	120

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Cyber Elective - CE Courses

Code	Title	Hours
CSS 320	Security Risk and Emergency Management	3
CSS 351	Fraud	3
CSS 354	Risk Assessment and Fraud Prevention	3
CPSC 450	Internship ¹	1-12

¹ Jr. or Sr. Computing major with 3.0 GPA. Application required

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6421

Concentration Code: SEGV

Revised date: 06.10.2022

Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance/Advanced Piloting (CCBC)

Related Links

Cybersecurity - Security Governance/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Cybersecurity, Bachelor of Science (BS) - Concentration in Security Governance/Professional Pilot (CCBC)

Related Links

Cybersecurity - Security Governance/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-computing-and-cybersecurity/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Cybersecurity, Minor

The Cybersecurity Minor is designed to offer students the necessary technical and non-technical knowledge to identify and adequately mitigate cybersecurity risks, arrange the secure use of computing resources, recognize security breaches, and proficiently use the tools and techniques for analysis and investigation of cybercrimes.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA REQUIREMENT

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper-division courses (numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- The Cybersecurity minor must submit this self-maintained curriculum guide to the Computer Science Department for verification.

Code	Title	Hours
Core Requirements		
CPSC 130	Introduction to Computing and Programming	3
CPSC 300 or MIS 300	Challenges of Computer Technology	3
CPSC 323 or MIS 323	Fundamentals of Database Systems Data Base Systems	3
CPSC 301 or MIS 301	Practical Computer Security Practical Computer Security	3
Select one of the following:		3
CPSC 333 or MIS 333	Introduction to Computer Forensics Introduction to Computer Forensics	
MIS 401	Information Systems Security	
CSS 120	Introduction to Private Security	3
CSS 240 or CSS 351	Security Management Fraud	3
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Cybersecurity (14E)

This program is effective as of Fall 2016

Revised 02.08.2023

Health Informatics, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper-division courses (numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- The Computing minor must submit this self-maintained curriculum guide to the Computer Science Department for verification.

Code	Title	Hours
Core Requirements		
CPSC 130 or CPSC 146	Introduction to Computing and Programming Programming Principles	3
CPSC 210	Productivity Software	3
CPSC 323	Fundamentals of Database Systems	3
CPSC 468	Software Engineering and Project Management	3
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
STAT 152	Elementary Statistics I	3
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Health Information (14F)

This program is effective as of Summer 2022

Revised 07.08.2025

UCC 03.21.2022

Engineering

Programs

Majors

- Civil Engineering, Bachelor of Science (BS) (p. 313)
- Construction Management, Bachelor of Science (BS) (p. 316)
- Electrical and Computer Engineering, Bachelor of Science (BS) (p. 318)
- Electrical and Computer Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC) (p. 321)
- Electrical and Computer Engineering, Bachelor of Science (BS)/Professional Pilot (CCBC) (p. 321)
- Industrial and Systems Engineering, Bachelor of Science (BS) (p. 321)
- Industrial and Systems Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC) (p. 324)
- Industrial and Systems Engineering, Bachelor of Science (BS)/Professional Pilot (CCBC) (p. 324)
- Mechanical Engineering, Bachelor of Science (BS) (p. 327)
- Mechanical Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC) (p. 329)
- Mechanical Engineering, Bachelor of Science (BS)/Professional Pilot (CCBC) (p. 329)
- Petroleum and Natural Gas Engineering, Bachelor of Science (BS) (p. 330)

Civil Engineering, Bachelor of Science (BS)

Program Learning Outcomes

Student Outcomes

Upon graduation, students will have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
- An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)

- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

Related Links

Civil Engineering, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/civil-engineering/>)

Civil Engineering Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/CivilEngineering-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	41
	Other Basic Requirements	0-3
	Major/Concentration Requirements	84
	Natural Science and Math College-Wide Requirements (Included in Rock Studies 2)	12
	Elective	3

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Additional Rock Studies Requirements		
Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
Subtotal		8
Total Hours		41

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 42 major credits must be taken at SRU or PASSHE
- 42 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Engineering Courses		
ENGR 110	Introduction to Engineering ¹	2
ENGR 120	Engineering Design Tools ¹	2
ENGR 130	Engineering Computing Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 220	Engineering Materials ¹	3
ENGR 230	Mechanics of Materials ¹	3
ENGR 231	Mechanics of Materials Lab ¹	1
ENGR 301	Fluid Mechanics ¹	3
ENGR 340	Engineering Economics ¹	3
CIVL 210	Elementary Survey ¹	3

CIVL 310	Structural Engineering ¹	4
CIVL 320	Transportation Engineering ¹	3
CIVL 330	Environmental Engineering ¹	4
CIVL 340	Geotechnical Engineering ¹	3
CIVL 350	Water Resources Engineering ¹	3
CIVL 410	Structural Steel Design ¹	3
CIVL 411	Reinforced Concrete Design ¹	3
CIVL 420	Traffic Engineering ¹	3
CIVL 430	Storm Water Management ¹	3
CIVL 440	Construction Management ¹	3
CIVL 460	Capstone Design I ¹	3
CIVL 461	Capstone Design II ¹	3
Subtotal		63

Engineering Elective		
Select one of the following:		3
ENGR 240	Dynamics ¹	
ENGR 250	Circuit Analysis I ¹	
ENGR 320	Thermodynamics ¹	
ISE 410	Engineering Project Management ¹	
ISE 460	Engineering Risk Analysis ¹	
ENGL 205	Introduction to Professional Writing ¹	

Civil Engineering Electives - 400 Level		
Select two of the following:		6
CIVL 412	Finite Element Analysis ¹	
CIVL 421	Highway Engineering ¹	
CIVL 422	Transportation Terminal Design ¹	
CIVL 431	Environmental Engineering Design ¹	
CIVL 432	Groundwater Hydrology ¹	
CIVL 441	Sustainable Development ¹	

Required Math and Science Courses		
BIOL 105	Environmental Biology	3
MATH 232	Linear Algebra	3
MATH 301	Differential Equations I	3
STAT 350	Applied Statistics ¹	3
Subtotal		21
Total Hours		84

¹ Course counts for 50% of Major requirements and Major GPA
* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

FREE ELECTIVE

Code	Title	Hours
Select three credits		3
Total Hours		3

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4

PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CIVIL ENGINEERING - BS (6183) / CIM 117

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 11.12.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGR 110	Introduction to Engineering	2
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	0-1
MATH 225	Calculus I	4
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16-17
Spring		
ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
ENGR 130	Engineering Computing Tools	2
BIOL 105	Environmental Biology	3
MATH 301	Differential Equations I	3
ENGR 210	Statics	3
PHYS 217	University Physics 2 with Lab	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18

Spring		
ENGR 220	Engineering Materials	3
ENGR 230	Mechanics of Materials	3
ENGR 231	Mechanics of Materials Lab	1
STAT 350	Applied Statistics	3
MATH 232	Linear Algebra	3
Social Science Inquiry (p. 19)		3
Hours		16

Third Year		
Fall		
CIVL 210	Elementary Survey	3
CIVL 310	Structural Engineering	4
CIVL 320	Transportation Engineering	3
CIVL 340	Geotechnical Engineering	3
ENGR 301	Fluid Mechanics	3
Hours		16

Spring		
CIVL 330	Environmental Engineering	4
CIVL 350	Water Resources Engineering	3
CIVL 420	Traffic Engineering	3
CIVL 440	Construction Management	3
Humanities Inquiry (p. 19)		3
Hours		16

Fourth Year		
Fall		
CIVL 410	Structural Steel Design	3
CIVL 411	Reinforced Concrete Design	3
CIVL 430	Storm Water Management	3
CIVL 460	Capstone Design I	3
ENGR 340	Engineering Economics	3
Hours		15

Spring		
CIVL 461	Capstone Design II	3
CIVL xxx	CIVL Elective	3
CIVL xxx	CIVL Elective	3
ENGR xxx	Engineering Elective	3
Elective		3
Hours		15
Total Hours**		128

* Students are encouraged to take ESAP 101 as a Free Elective.

¹ Course offered in multiple subjects; cannot take course in first major subject.

ENGR Electives

Code	Title	Hours
ENGR 240	Dynamics	3
ENGR 250	Circuit Analysis I	3
ENGR 320	Thermodynamics	3
ENGL 205	Introduction to Professional Writing	3
ISE 410	Engineering Project Management	3
ISE 460	Engineering Risk Analysis	3

CIVL Electives

Code	Title	Hours
CIVL 412	Finite Element Analysis	3
CIVL 421	Highway Engineering	3
CIVL 422	Transportation Terminal Design	3
CIVL 431	Environmental Engineering Design	3
CIVL 432	Groundwater Hydrology	3
CIVL 441	Sustainable Development	3

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6183
Revised: 09.26.2025

Construction Management, Bachelor of Science (BS)

Program Learning Outcomes

Student Outcomes

Upon graduation, students will have:

- An ability to identify, formulate, and solve broadly defined technical or scientific problems by applying knowledge of mathematics and science and/or technical topics to areas relevant to the discipline [UG2, UG3, UG4].
- An ability to formulate or design a system, process, procedure or program to meet desired needs [UG2, UG5, UG6].
- An ability to develop and conduct experiments or test hypotheses, analyze and interpret data and use scientific judgment to draw conclusions [UG2, UG3, UG4].
- An ability to communicate effectively with a range of audiences [UG1].
- An ability to understand ethical and professional responsibilities and the impact of technical and/or scientific solutions in global, economic, environmental, and societal contexts [UG7, UG8, UG9].
- An ability to function effectively on teams that establish goals, plan tasks, meet deadlines, and analyze risk and uncertainty [UG1, UG2, UG5, UG7].

Related Links

Construction Management, BS Program Page (https://www.sru.edu/programs/undergrad-engineering/#tab_sec2)

Construction Management Fact Sheet URL COMING SOON

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major/Concentration Requirements	73
	Natural Science and Math College-Wide Requirements	11
	Elective	3

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

CHEM 107 General Chemistry I 3

Physical Sciences Inquiry

PHYS 216 University Physics 1 with Lab 4

Subtotal 16

Additional Rock Studies Requirements

Required Thematic Thread Coursework:

MGMT 351	Organizational Behavior	3
ENGL 205	Introduction to Professional Writing	3
STAT 152	Elementary Statistics I	3
ECON 202	Principles of Microeconomics	3
Subtotal		12

Total Hours 44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 37 major credits must be taken at SRU or PASSHE
- 37 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Construction Management Courses		
ENGR 120	Engineering Design Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 220	Engineering Materials ¹	3
ENGR 230	Mechanics of Materials ¹	3
ENGR 231	Mechanics of Materials Lab ¹	1
ENGR 340	Engineering Economics ¹	3
CIVL 210	Elementary Survey ¹	3
CIVL 310	Structural Engineering ¹	4
CIVL 410	Structural Steel Design ¹	3
CIVL 411	Reinforced Concrete Design ¹	3
CIVL 440	Construction Management ¹	3
CIVL 441	Sustainable Development ¹	3
COMG 100	Fundamentals of Construction Management	3
COMG 220	Construction Estimating and Scheduling with Lab	3
COMG 240	Quantity Surveying and Document Analysis	3
COMG 320	Soil and Foundation for Construction	3
COMG 330	Facility Systems Design and Construction	3
COMG 340	Mechanical and Electrical Systems for Construction	3
COMG 350	Construction Law and Contracts	3
COMG 420	Heavy Construction Methods and Equipment	3
COMG 440	Construction Cost Control with Lab	3
COMG 460	Capstone Project	3
Subtotal		64
Other Courses		
ACCT 209	Financial Accounting ¹	3
ACCT 340	Legal Environment of Business ¹	3

SFMG 258	Construction Safety ¹	3
Total Hours		73

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

FREE ELECTIVE

Code	Title	Hours
Select three credits		3
Total Hours		3

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		11

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CONSTRUCTION MANAGEMENT - BS (6186) / CIM 519

This program is effective as of Fall 2025

Revised 09.18.2025

UCC 10.26.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
COMG 100	Fundamentals of Construction Management	3
ENGL 102	Critical Writing	3
CHEM 107	General Chemistry I	3
MATH 225	Calculus I	4
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar *	0-1
Hours		16-17
Spring		
ENGR 120	Engineering Design Tools	2
ENGR 220	Engineering Materials	3

ENGL 104	Critical Reading	3
PHYS 216	University Physics 1 with Lab	4
ACCT 209	Financial Accounting	3
Hours		15

Second Year**Fall**

COMG 220	Construction Estimating and Scheduling with Lab	3
ENGR 210	Statics	3
CIVL 210	Elementary Survey	3
ECON 202	Principles of Microeconomics	3
STAT 152	Elementary Statistics I	3
Hours		15

Spring

COMG 240	Quantity Surveying and Document Analysis	3
ENGR 230	Mechanics of Materials	3
ENGR 231	Mechanics of Materials Lab	1
CIVL 441	Sustainable Development	3
SFMG 258	Construction Safety	3
Hours		13

Third Year**Fall**

COMG 320	Soil and Foundation for Construction	3
COMG 330	Facility Systems Design and Construction	3
COMG 340	Mechanical and Electrical Systems for Construction	3
CIVL 310	Structural Engineering	4
ENGR 340	Engineering Economics	3
Hours		16

Spring

COMG 350	Construction Law and Contracts	3
CIVL 440	Construction Management	3
MGMT 351	Organizational Behavior	3
ACCT 340	Legal Environment of Business	3
Humanities Inquiry (p. 19)		3
Hours		15

Fourth Year**Fall**

COMG 420	Heavy Construction Methods and Equipment	3
CIVL 410	Structural Steel Design	3
CIVL 411	Reinforced Concrete Design	3
ENGL 205	Introduction to Professional Writing	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Spring

COMG 440	Construction Cost Control with Lab	3
COMG 460	Capstone Project	3
Social Science (p. 19)		3
Elective		3
Hours		12

Total Hours** **117-118**

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major: 6186

Revised: 9.26.2025

Electrical and Computer Engineering, Bachelor of Science (BS)

Program Learning Outcomes

Upon graduation, students will have:

1. An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
2. An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
3. An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)
4. An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)
5. An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
6. An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
7. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

Related Links

Electrical and Computer Engineering, BS Program Page (https://www.sru.edu/programs/undergrad-engineering/#tab_sec3)

Electrical and Computer Engineering Fact Sheet URL **COMING SOON**

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		44
Other Basic Requirements		0-3
Major/Concentration Requirements		76
Natural Science and Math College-Wide Requirements		12
Elective		3

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Additional Rock Studies 2 Requirements		
Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
ENGL 205	Introduction to Professional Writing	3
Subtotal		11
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 38 major credits must be taken at SRU or PASSHE
- 38 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Engineering Courses		
ENGR 110	Introduction to Engineering ¹	2
ENGR 120	Engineering Design Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 250	Circuit Analysis I ¹	3
ENGR 251	Circuit Analysis Lab	1
ENGR 340	Engineering Economics ¹	3
MECH 330	Introduction to Mechatronics ¹	4
MECH 411	Automatic Control Systems ¹	3
ECSE 230	Instrumentation with Lab	3
ECSE 310	Circuit Analysis II	3
ECSE 320	Electrical Circuit Design	3
ECSE 340	Processor Design and Structure	3
ECSE 350	Signals and Systems	3
ECSE 360	Engineering Electromagnetics	3
ECSE 410	Energy Conversion	3
ECSE 460	Capstone Design I	3
ECSE 461	Capstone Design II	3
Subtotal		48
Electrical and Computer Engineering Electives		
Select two of the following:		6
ECSE 420	Wireless Communication	
ECSE 430	Digital Signal Processing	
ECSE 440	Electric Power Systems	
ECSE 470	Applied Digital Systems	
Subtotal		6
Required Math and Science Courses		
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 301	Differential Equations I ¹	3
STAT 350	Applied Statistics ¹	3
CPSC 146	Programming Principles ¹	3

CPSC 246	Object-Oriented Programming ¹	3
CPSC 423	Computer Networks ¹	3
Subtotal		22
Total Hours		76

¹ Course counts for 50% of Major requirements and Major GPA
* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

FREE ELECTIVE

Code	Title	Hours
Select three credits		3
Total Hours		3

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Electrical and Computer Engineering - BS (6185) / CIM 517
This program is effective as of Fall 2025.
UCC 09.18.2025
Revised 04.15.2025

New program beginning in the 2025\2026 academic year.

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGR 110	Introduction to Engineering	2
ENGL 102	Critical Writing	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
MATH 225	Calculus I	4
SUBJ 139	Foundations of Academic Discovery ¹	3

ESAP 101	FIRST Seminar *	0-1
Hours		16-17

Spring

ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16

Second Year

Fall

CPSC 146	Programming Principles	3
ENGR 210	Statics	3
ENGR 340	Engineering Economics	3
MATH 232	Linear Algebra	3
PHYS 217	University Physics 2 with Lab	4
Hours		16

Spring

CPSC 246	Object-Oriented Programming	3
ENGR 250	Circuit Analysis I	3
ENGR 251	Circuit Analysis Lab	1
ENGL 205	Introduction to Professional Writing	3
MATH 231	Calculus III	4
Hours		14

Third Year

Fall

MATH 301	Differential Equations I	3
ECSE 230	Instrumentation with Lab	3
ECSE 310	Circuit Analysis II	3
ECSE 350	Signals and Systems	3
MECH 330	Introduction to Mechatronics	4
Hours		16

Spring

ECSE 320	Electrical Circuit Design	3
ECSE 340	Processor Design and Structure	3
ECSE 410	Energy Conversion	3
STAT 350	Applied Statistics	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15

Fourth Year

Fall

CPSC 423	Computer Networks	3
ECSE 360	Engineering Electromagnetics	3
ECSE 460	Capstone Design I	3
ECSE XXX	ECSE Elective	3
MECH 411	Automatic Control Systems	3
Hours		15

Spring

ECSE 461	Capstone Design II	3

ECSE XXX	ECSE Elective	3
Humanities Inquiry (p. 19)		3
Social Science (p. 19)		3
Elective		3
Hours		15
Total Hours**		123-124

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

ECSE Electives

Code	Title	Hours
ECSE 420	Wireless Communication	3
ECSE 430	Digital Signal Processing	3
ECSE 440	Electric Power Systems	3
ECSE 470	Applied Digital Systems	3

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major: 6185

Revised: 9.26.2025

Electrical and Computer Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC)

Related Links

Electrical and Computer Engineering/Advanced Piloting, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/engineering/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Electrical and Computer Engineering, Bachelor of Science (BS)/Professional Pilot (CCBC)

Related Links

Electrical and Computer Engineering/Professional Pilot, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/engineering/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Industrial and Systems Engineering, Bachelor of Science (BS)

Program Learning Outcomes

Student Outcomes

Upon graduation, students will have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
- An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

Related Links

Industrial and Systems Engineering, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/industrial-and-systems-engineering/>)

Industrial and Systems Engineering Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/industeng-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	84
	Natural Science and Math College-Wide Requirements (Included in Rock Studies 2)	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Additional Rock Studies 2 Requirements		
Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
ENGL 205	Introduction to Professional Writing	3
Subtotal		11
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 44 major credits must be taken at SRU or PASSHE
- 44 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Engineering Courses		
ENGR 110	Introduction to Engineering ¹	2
ENGR 120	Engineering Design Tools ¹	2
ENGR 130	Engineering Computing Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 220	Engineering Materials ¹	3
ENGR 250	Circuit Analysis I ¹	3
ENGR 340	Engineering Economics ¹	3
ISE 311	Introduction to Operations Research ¹	3
ISE 370	Design of Industrial Systems and Processes ¹	3
ISE 372	Manufacturing Systems Design and Analysis ¹	3
ISE 373	Quality Engineering ¹	3
ISE 402	Work Design ¹	3
ISE 410	Engineering Project Management ¹	3
ISE 420	Simulation of Industrial Systems ¹	4
ISE 421	Supply Chain & Logistics Engineering ¹	3
ISE 430	Production Planning & Control ¹	3
ISE 440	Health Care Systems Engineering ¹	3
ISE 442	Human Factors Engineering ¹	3
ISE 460	Engineering Risk Analysis ¹	3
ISE 462	Lean Systems ¹	3
ISE 487	Industrial and Systems Engineering Senior Project I ¹	1
ISE 488	Senior Project II ¹	3
MECH 330	Introduction to Mechatronics ¹	4
Subtotal		66
ISE Electives		
Select three of the following, minimum of 8 credits:		8
ISE 330	Six Sigma Methodology ¹	
ISE 382	Sustainable Processes ¹	
ISE 432	Productivity Analysis ¹	
ISE 480	Industrial and Systems Engineering Undergraduate Research ¹	
MATH 312	Stochastic Models of Operations Research ¹	
Subtotal		8
Required Math and Science Courses		
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
STAT 350	Applied Statistics ¹	3
Subtotal		10
Total Hours		84

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INDUSTRIAL AND SYSTEMS ENGINEERING - BS (6182) / CIM 253

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 111.12.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
MATH 225	Calculus I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ENGR 110	Introduction to Engineering	2
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	0-1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16-17
Spring		
ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Hours		16
Second Year		
Fall		
ENGR 130	Engineering Computing Tools	2
ENGR 210	Statics	3
ENGR 340	Engineering Economics	3
MATH 231	Calculus III	4
PHYS 217	University Physics 2 with Lab	4
Hours		16
Spring		
ENGR 250	Circuit Analysis I	3
ENGR 220	Engineering Materials	3
MATH 232	Linear Algebra	3
STAT 350	Applied Statistics	3
ENGL 205	Introduction to Professional Writing	3
Hours		15
Third Year		
Fall		
ISE 311	Introduction to Operations Research	3
ISE 372	Manufacturing Systems Design and Analysis	3
ISE 373	Quality Engineering	3
ISE 402	Work Design	3
MECH 330	Introduction to Mechatronics	4
Hours		16
Spring		
ISE 370	Design of Industrial Systems and Processes	3
ISE 420	Simulation of Industrial Systems	4
ISE 421	Supply Chain & Logistics Engineering	3
ISE 430	Production Planning & Control	3
ISE 440	Health Care Systems Engineering	3
Hours		16
Fourth Year		
Fall		
ISE 410	Engineering Project Management	3
ISE 442	Human Factors Engineering	3
ISE 487	Industrial and Systems Engineering Senior Project I	1
ISE Elective		3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
ISE 460	Engineering Risk Analysis	3
ISE 462	Lean Systems	3
ISE 488	Senior Project II	3
ISE Elective		3
ISE Elective		3

Social Science Inquiry (p. 19)	3
Hours	18
Total Hours**	129-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

ISE Electives

Code	Title	Hours
ISE 330	Six Sigma Methodology	3
ISE 382	Sustainable Processes	3
ISE 432	Productivity Analysis	3
MATH 312	Stochastic Models of Operations Research	3

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to update and confirm your plan with your adviser at least once each academic year.*

Major Code: 6182
Revised: 09.26.2025

Industrial and Systems Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC)

Related Links

Industrial and Systems Engineering/Advanced Piloting, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/engineering/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Industrial and Systems Engineering, Bachelor of Science (BS)/ Professional Pilot (CCBC)

PROGRAM LEARNING OUTCOMES (SRU)

Upon graduation, students will have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
- An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)

- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

PROGRAM LEARNING OUTCOMES (CCBC)

This program trains students in the subject content the Federal Aviation Administration (FAA) determined is necessary for commercial pilots; and takes students from first flight through multi-engine and/or Certified Flight Instructor ratings.

Related Links

Industrial and Systems Engineering/Professional Pilot, BS Program Page (https://www.sru.edu/programs/undergrad-engineering/#tab_sec4)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements (taken at CCBC)		17
Rock Studies 2 Requirements (taken at SRU)		27
Professional Pilot Requirements (taken at CCBC)		48-49
Major/Concentration Requirements (taken at SRU)		85

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
WRIT 101	English Composition (taken at CCBC)	3
LITR 210	Concepts of Literature (taken at CCBC)	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
POLI 235	Civil Discourse and Democracy	
PHIL 110	Ethics and Civil Discourse	
MATH 125	Calculus (taken at CCBC)	4
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (p. 19)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (p. 19)		3
<i>Social Science Inquiry (taken at CCBC)</i>		

AVIP 260	Human Factors Theory (taken at CCBC)	3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
<i>Physical Sciences Inquiry (taken at CCBC)</i>		
METR 140	Foundations in Meteorology (taken at CCBC)	4
Subtotal		17
Additional Rock Studies Requirements		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
ENGL 205	Introduction to Professional Writing	3
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 43 major credits must be taken at SRU or PASSHE
- 43 major credits must be taken at the 300 level or above

Code	Title	Hours
<i>Required Engineering Courses:</i>		
ENGR 110	Introduction to Engineering	2
ENGR 120	Engineering Design Tools	2
ENGR 130	Engineering Computing Tools	2
ENGR 210	Statics	3
ENGR 220	Engineering Materials	3
ENGR 250	Circuit Analysis I	3
ENGR 340	Engineering Economics	3
ISE 311	Introduction to Operations Research	3
ISE 370	Design of Industrial Systems and Processes	3
ISE 372	Manufacturing Systems Design and Analysis	3
ISE 373	Quality Engineering	3
ISE 402	Work Design	3
ISE 410	Engineering Project Management	3

ISE 420	Simulation of Industrial Systems	4
ISE 421	Supply Chain & Logistics Engineering	3
ISE 430	Production Planning & Control	3
ISE 440	Health Care Systems Engineering	3
ISE 442	Human Factors Engineering	3
ISE 460	Engineering Risk Analysis	3
ISE 487	Industrial and Systems Engineering Senior Project I	1
ISE 488	Senior Project II	3
MECH 330	Introduction to Mechatronics	4
PHYS 216	University Physics 1 with Lab	4
Subtotal		67
<i>Industrial & Systems Engineering Electives</i>		
Select three of the following:		8
ISE 330	Six Sigma Methodology	
ISE 382	Sustainable Processes	
ISE 432	Productivity Analysis	
ISE 480	Industrial and Systems Engineering Undergraduate Research	
MATH 312	Stochastic Models of Operations Research	
Subtotal		8
<i>Required Math and Science Courses</i>		
MATH 231	Calculus III	4
MATH 232	Linear Algebra	3
STAT 350	Applied Statistics	3
Subtotal		10
Total Hours		85

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Code	Title	Hours
Professional Pilot Requirement Coursework Completed at CCBC:		
AVIP 120	Foundations and Development of Aviation	3
AVIP 160	Private Pilot Flight Theory	7
AVIP 170	Private Pilot Flight Certification	3
AVIP 180	Instrument Flight Theory	7
AVIP 190	Instrument Flight Rating	2
AVIP 205	Aircraft Engines & Systems	4
AVIP 215	Commercial Flight Theory	5
AVIP 220	Commercial Flight Certification I	3
AVIP 225	Commercial Flight Certification II	3
AVIP 270	Aerodynamics of Flight	3
AVIP 275	Certified Flight Instructor Theory	2
CIST 100	Introduction to Information Technology	3
Select two of the following:		3-4
AVIP 250	Multi-Engine Rating	
AVIP 280	Certified Flight Instructor-Airplane	
AVIP 285	Certified Flight Instructor - Instructions	
Total Hours		48-49

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INDUSTRIAL AND SYSTEMS ENGINEERING - BS (6182)

PROFESSIONAL PILOT WITH CCBC (PRFP) /CIM 591

This program is effective as of Spring 2026

Revised 01.05.2026

MOU date: 09.18.2025

Course	Title	Hours
First Year		
Fall		
AVIP 160	Private Pilot Flight Theory (taken at CCBC)	7
AVIP 170	Private Pilot Flight Certification (taken at CCBC)	3
MATH 125	Precalculus	4
ENGR 110	Introduction to Engineering	2
SUBJ 139	Foundations of Academic Discovery	3
Hours		19
Spring		
AVIP 120	Foundations and Development of Aviation (taken at CCBC)	3
CIST 100	Introduction to Information Technology (taken at CCBC)	3
WRIT 101	English Composition (taken at CCBC)	3
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4
Hours		17
Second Year		
Fall		
AVIP 180	Instrument Flight Theory (taken at CCBC)	7
AVIP 190	Instrument Flight Rating (taken at CCBC)	2
LITR 210	Concepts of Literature (taken at CCBC)	3
ENGR 130	Engineering Computing Tools	2
PHYS 217	University Physics 2 with Lab	4
Hours		18
Spring		
AVIP 205	Aircraft Engines & Systems (taken at CCBC)	4
METR 140	Foundations in Meteorology (taken at CCBC)	4
ENGR 210	Statics	3
ENGR 120	Engineering Design Tools	2
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Hours		17

Third Year

Fall

AVIP 215	Commercial Flight Theory (taken at CCBC)	5
AVIP 220	Commercial Flight Certification I (taken at CCBC)	3
MATH 231	Calculus III	4
MATH 232	Linear Algebra	3
ENGR 340	Engineering Economics	3
Hours		18

Spring

AVIP 225	Commercial Flight Certification II (taken at CCBC)	3
AVIP 260	Human Factors Theory (taken at CCBC)	3
AVIP 270	Aerodynamics of Flight (taken at CCBC)	3
ENGR 220	Engineering Materials	3
Creative & Aesthetic Inquiry (p. 19)		3
ENGR 250	Circuit Analysis I	3
Hours		18

Fourth Year

Fall

AVIP 275	Certified Flight Instructor Theory (taken at CCBC)	2
Select two of the following:		3-4
AVIP 250	Multi-Engine Rating (taken at CCBC)	
AVIP 280	Certified Flight Instructor - Airplane (taken at CCBC)	
AVIP 285	Certified Flight Instructor - Instruments (taken at CCBC)	
ISE 311	Introduction to Operations Research	3
ISE 372	Manufacturing Systems Design and Analysis	3
ISE 373	Quality Engineering	3
ISE 402	Work Design	3
Hours		17-18

Spring

ISE 370	Design of Industrial Systems and Processes	3
ISE 420	Simulation of Industrial Systems	4
ISE 421	Supply Chain & Logistics Engineering	3
ISE 430	Production Planning & Control	3
ISE 440	Health Care Systems Engineering	3
ISE Elective		2
Hours		18

Fifth Year

Fall

Humanities Inquiry (p. 19)		3
MECH 330	Introduction to Mechatronics	4
ISE 410	Engineering Project Management	3
ISE 442	Human Factors Engineering	3
ISE 487	Industrial and Systems Engineering Senior Project I	1
ISE Elective		3
Hours		17

Spring

ISE 488	Senior Project II	3
ISE Elective		3
ISE 460	Engineering Risk Analysis	3
STAT 350	Applied Statistics	3
ENGL 205	Introduction to Professional Writing	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18
Total Hours**		177-178

Mechanical Engineering, Bachelor of Science (BS)

Program Learning Outcomes

Upon graduation, students will have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
- An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

Related Links

Mechanical Engineering, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/mechanical-engineering/>)

Mechanical Engineering Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/MechanicalEngineering-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major/Concentration Requirements	84
	Natural Science and Math College-Wide Requirements (Included in Rock Studies 2)	12

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17

Additional Rock Studies 2 Requirements

Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
ENGL 205	Introduction to Professional Writing	3
Subtotal		11
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 42 major credits must be taken at SRU or PASSHE
- 42 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Engineering Courses		
ENGR 110	Introduction to Engineering ¹	2
ENGR 120	Engineering Design Tools ¹	2
ENGR 130	Engineering Computing Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 220	Engineering Materials ¹	3
ENGR 230	Mechanics of Materials ¹	3
ENGR 231	Mechanics of Materials Lab ¹	1
ENGR 240	Dynamics ¹	3
ENGR 250	Circuit Analysis I ¹	3
ENGR 251	Circuit Analysis Lab ¹	1
ENGR 301	Fluid Mechanics ¹	1
ENGR 320	Thermodynamics ¹	3
ENGR 340	Engineering Economics ¹	3
MECH 310	Machines and Mechanisms ¹	4
MECH 320	Manufacturing Processes ¹	3
MECH 330	Introduction to Mechatronics ¹	4
MECH 340	Heat Transfer ¹	4
MECH 410	Machine Design ¹	4
MECH 411	Automatic Control Systems ¹	3
MECH 430	Mechatronics ¹	3
MECH 460	Capstone Design I ¹	3
MECH 461	Capstone Design II ¹	3
Subtotal		61
Mechanical Engineering Electives		
Select three of the following:		9
MECH 412	Finite Element Analysis ¹	
MECH 420	Design and Manufacturing ¹	
MECH 421	Mechanical Vibrations ¹	
MECH 422	Thermal System Design ¹	
MECH 423	Additive Manufacturing ¹	
MECH 431	Introduction to Robotics ¹	

MECH 440	HVAC Systems ¹	
MECH 441	Sustainable Energy ¹	
Required Math and Science Courses		
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra	3
MATH 301	Differential Equations I	3
STAT 350	Applied Statistics ¹	3
Subtotal		22
Total Hours		83

¹ Course counts for 50% of Major requirements and Major GPA
* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MECHANICAL ENGINEERING - BS (6184) / CIM 288
This program is effective as of Summer 2025
Revised 09.18.2025
UCC 11.12.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGR 110	Introduction to Engineering	2
ENGL 102	Critical Writing	3
CHEM 107	General Chemistry I	4
& CHEM 111		and General Chemistry I Lab
MATH 225	Calculus I	4
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar [*]	0-1
Hours		16-17

Spring

ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4
Creative & Aesthetic Inquiry (p. 19)		3

Hours **16**

Second Year**Fall**

ENGR 130	Engineering Computing Tools	2
ENGR 210	Statics	3
MATH 231	Calculus III	4
MATH 232	Linear Algebra	3
PHYS 217	University Physics 2 with Lab	4

Hours **16**

Spring

ENGR 220	Engineering Materials	3
ENGR 230	Mechanics of Materials	3
ENGR 231	Mechanics of Materials Lab	1
ENGR 240	Dynamics	3
ENGR 250	Circuit Analysis I	3
ENGR 251	Circuit Analysis Lab	1
ENGL 205	Introduction to Professional Writing	3

Hours **17**

Third Year**Fall**

MECH 310	Machines and Mechanisms	3
MECH 320	Manufacturing Processes	3
MECH 330	Introduction to Mechatronics	4
ENGR 301	Fluid Mechanics	3
MATH 301	Differential Equations I	3

Hours **16**

Spring

MECH 340	Heat Transfer	4
MECH 410	Machine Design	4
MECH 430	Mechatronics	3
MECH XXX	MECH Elective	3
STAT 350	Applied Statistics	3

Hours **17**

Fourth Year**Fall**

MECH 320	Manufacturing Processes	3
MECH 411	Automatic Control Systems	3
MECH 460	Capstone Design I	3
MECH XXX	MECH Elective	3
ENGR 340	Engineering Economics	3

Hours **15**

Spring

MECH 461	Capstone Design II	3
MECH XXX	MECH Elective	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Social Science (p. 19)		3
Hours		15
Total Hours**		128

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

MECH Electives

Code	Title	Hours
MECH 412	Finite Element Analysis	3
MECH 420	Design and Manufacturing	3
MECH 421	Mechanical Vibrations	3
MECH 422	Thermal System Design	3
MECH 423	Additive Manufacturing	3
MECH 431	Introduction to Robotics	3
MECH 441	Sustainable Energy	3

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major: 6184

Revised: 9.26.2025

Mechanical Engineering, Bachelor of Science (BS)/Advanced Piloting (CCBC)

Related Links

Mechanical Engineering/Advanced Piloting, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/engineering/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Mechanical Engineering, Bachelor of Science (BS)/Professional Pilot (CCBC)

Related Links

Mechanical Engineering/Professional Pilot, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/engineering/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Petroleum and Natural Gas Engineering, Bachelor of Science (BS)

Program Learning Outcomes

Upon graduation, students will have:

- An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics (SRU SLO 2, 3, 4)
- An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors (SRU SLO 2, 4, 6, 7, 8, 9, 10)
- An ability to communicate effectively with a range of audiences (SRU SLO 1, 3)
- An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts (SRU SLO 7, 8, 9, 10)
- An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives (SRU SLO 1, 5, 9)
- An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions (SRU SLO 2, 4)
- An ability to acquire and apply new knowledge as needed, using appropriate learning strategies. (SRU SLO 3, 5)

Related Links

Petroleum and Natural Gas Engineering, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/petroleum-and-natural-gas-engineering/>)

Petroleum and Natural Gas Engineering Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/PNGE-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	84
	Natural Science and Math College-Wide Requirements (Included in Rock Studies 2)	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Additional Rock Studies 2 Requirements		
Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
PHYS 217	University Physics 2 with Lab	4
ENGL 205	Introduction to Professional Writing	3
Subtotal		11
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 42 major credits must be taken at SRU or PASSHE
- 42 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Engineering Courses		
ENGR 110	Introduction to Engineering ¹	2
ENGR 120	Engineering Design Tools ¹	2
ENGR 130	Engineering Computing Tools ¹	2
ENGR 210	Statics ¹	3
ENGR 230	Mechanics of Materials ¹	3
ENGR 301	Fluid Mechanics ¹	3
ENGR 320	Thermodynamics ¹	3
ENGR 340	Engineering Economics ¹	3
PNGE 201	Introduction to Petroleum and Natural Gas Engineering ¹	1
PNGE 312	Petrophysics ¹	4
PNGE 315	Reservoir Fluids ¹	3
PNGE 325	Reservoir Engineering ¹	3
PNGE 410	Drilling engineering with Lab ¹	4
PNGE 420	Production Engineering ¹	3
PNGE 430	Reservoir Simulation ¹	3
PNGE 432	Formation Evaluation ¹	3
PNGE 435	Pressure Transient Analysis ¹	3
PNGE 440	Hydraulic Fracturing ¹	3
PNGE 441	Oil and Natural Gas Resource Valuation and Economics ¹	3
PNGE 459	Petroleum and Natural Gas Design/Capstone I ¹	1
PNGE 460	Petroleum and Natural Gas Engineering Design/Capstone II ¹	2
Subtotal		57

ENGR Electives

Students must select one of the following courses, a minimum of three credits:

ENGR 220	Engineering Materials ¹
ENGR 240	Dynamics ¹
ENGR 250	Circuit Analysis I ¹
ISE 410	Engineering Project Management ¹
ISE 460	Engineering Risk Analysis ¹

PNGE Electives (PNGE or EVGE)

Students must select one of the following courses, a minimum of three credits:

PNGE 330	Unconventional Reservoir Engineering ¹
PNGE 443	Enhanced Oil Recovery ¹
PNGE 445	Natural Gas Engineering with Lab ¹
PNGE 470	Petroleum and Natural Gas Engineering Undergraduate Research ¹

EVGE 358	Introduction to Geophysics/Lab ¹	
Subtotal		6
Required Math and Science Courses		
CHEM 108	General Chemistry II ¹	3
CHEM 112	General Chemistry II Lab ¹	1
EVGE 201	Earth Materials and Processes/Lab ¹	4
EVGE 327	Structural Geology ¹	4
MATH 232	Linear Algebra ¹	3
MATH 301	Differential Equations I ¹	3
STAT 350	Applied Statistics ¹	3
Subtotal		21
Total Hours		84

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab ¹	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PETROLEUM AND NATURAL GAS ENGINEERING - BS (6180) / CIM 322

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 11.12.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGR 110	Introduction to Engineering	2
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4

ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	0-1
MATH 225	Calculus I	4
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16-17

Spring

ENGR 120	Engineering Design Tools	2
ENGL 104	Critical Reading	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
MATH 230	Calculus II	4
PHYS 216	University Physics 1 with Lab	4

Hours **17**

Second Year**Fall**

PNGE 201	Introduction to Petroleum and Natural Gas Engineering	1
ENGR 130	Engineering Computing Tools	2
ENGR 210	Statics	3
MATH 301	Differential Equations I	3
PHYS 217	University Physics 2 with Lab	4
Humanities Inquiry (p. 19)		3

Hours **16**

Spring

PNGE 312	Petrophysics	4
ENGR 230	Mechanics of Materials	3
EVGE 201	Earth Materials and Processes/Lab	4
MATH 232	Linear Algebra	3
ENGL 205	Introduction to Professional Writing	3

Hours **17**

Third Year**Fall**

PNGE 315	Reservoir Fluids	3
PNGE 410	Drilling engineering with Lab	4
ENGR 301	Fluid Mechanics	3
ENGR 320	Thermodynamics	3
EVGE 327	Structural Geology	4

Hours **17**

Spring

PNGE 325	Reservoir Engineering	3
PNGE 432	Formation Evaluation	3
PNGE Elective		3
STAT 350	Applied Statistics	3
Select one of the following:		3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Hours **15**

Fourth Year**Fall**

PNGE 420	Production Engineering	3
PNGE 430	Reservoir Simulation	3

PNGE 440	Hydraulic Fracturing	3
PNGE 441	Oil and Natural Gas Resource Valuation and Economics	3
PNGE 459	Petroleum and Natural Gas Design/Capstone I	1
ENGR 340	Engineering Economics	3

Hours **16**

Spring

PNGE 435	Pressure Transient Analysis	3
PNGE 460	Petroleum and Natural Gas Engineering Design/Capstone II	2

ENGR Elective 3

Creative & Aesthetic Inquiry (p. 19) 3

Social Science Inquiry (p. 19) 3

Hours **14**

Total Hours** **128**

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

ENGR Electives

Code	Title	Hours
ENGR 220	Engineering Materials	3
ENGR 240	Dynamics	3
ENGR 250	Circuit Analysis I	3
ISE 410	Engineering Project Management	3
ISE 460	Engineering Risk Analysis	3

PNGE Electives

Code	Title	Hours
PNGE 330	Unconventional Reservoir Engineering	3
PNGE 443	Enhanced Oil Recovery	3
PNGE 445	Natural Gas Engineering with Lab	3
EVGE 358	Introduction to Geophysics/Lab	3

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6180

Revised: 09.26.2025

Environmental Geosciences**Programs****Majors**

- Environmental Geoscience, Bachelor of Arts (BA) (p. 333)
- Environmental Geoscience, Bachelor of Science (BA) / Pre-Master of Education (p. 336)
- Environmental Geoscience, Bachelor of Science (BS) - Concentration in Applied Geographic Technology (p. 340)

- Environmental Geoscience, Bachelor of Science (BS) - Concentration in Environmental Policy (p. 343)
- Environmental Geoscience, Bachelor of Science (BS) - Concentration in Environmental Science (p. 345)
- Environmental Geoscience, Bachelor of Science (BS) - Concentration in Geography (p. 348)
- Environmental Geoscience, Bachelor of Science (BS) - Concentration in Geology (p. 351)

Minors

- Environmental Science, Minor (p. 354)
- Environmental Studies, Minor (p. 355)
- Geographic Information Technology, Minor (p. 356)
- Geology, Minor (p. 357)
- Geophysics, Minor (p. 358)
- Meteorology, Minor (p. 358)

Certificates

- Geographic Information Science, Certificate (p. 356)
- Sustainability, Certificate (p. 359)

Environmental Geoscience, Bachelor of Arts (BA)

The environmental geoscience (BA) focuses on providing students with a scientific understanding of the Earth and surrounding environment. The student in geology gains an understanding of the various terrestrial processes and features (mountains, oceans, volcanoes, glaciers); the immenseness of geologic time, the history of the earth and organisms that inhabit it (fossils); the role of water, fuel, and mineral resources in the development of civilization; and the close interaction between the geologic and organic environments.

Students seeking state certification in secondary education must also complete requirements for a Master of Education degree, a one-year program at SRU. All of our programs are designed to steadily develop the quantitative, deductive and inductive reasoning skills that environmental geoscientists must have.

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record

- Each graduate will demonstrate an understanding of the internal structure of Earth
- Each graduate will be able to explain the fundamental principles of the hydrologic cycle

Geology, Geology, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses
 - Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
 - Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
 - Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems

Related Links

Environmental Geoscience, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/environmental-geosciences/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	43-45
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3

Major Requirements	43-46
Natural Science and Math College-Wide Requirements	12
Electives	26

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
Select one of the following:		3-4
SCI 101	Science of Life	
CHEM 1xx	100 Level Chemistry & Lab	
BIOL 1xx	100 Level Biology & Lab	
<i>Physical Science Inquiry</i>		
Select one of the following:		3-4
SCI 102	Understanding the Physical World	
EVGE 1xx	100 Level Environmental Geoscience & Lab	
Subtotal		15-17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		43-45

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 22 major credits must be taken at SRU or PASSHE
- 22 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Major Requirements		
EVGE 1XX	Any 100-level EVGE course	3-4
EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
EVGE 272	Introduction to Georeports/Lab	1
GES 115	Introduction to Geospatial Technologies	3
GES 205	Cultural Geography	3
GES 324	Environmental Law and Policy	3
GES 325	Introduction to Geographic Information Science	3
Subtotal		24-25
Capstone Experience		
Select one of the following:		3
GES 444	World Environmental Cultures	
EVGE 469	Field Investigations in the Geosciences	
or GES 469	Field Investigations in the Geosciences	
EVGE 450	Internship	
or GES 450	Internship	
Subtotal		3

Focus Area	
Choose 10 credits from one of the following Focus Areas:	
<i>A: Geology</i>	
Select 10 credits (p. 335)	
<i>B: Geospatial Technology</i>	
Select 10 credits (p. 335)	

C: Environmental Science

Select 10 credits (p. 335)

D: Global Studies

Select 10 credits (p. 335)

E: Sustainable Communities

Select 10 credits (p. 335)

Subtotal 10

Electives

Any EVGE or GES 300 OR 400-level course 3-4

Any EVGE or GES 300 OR 400-level course 3-4

Subtotal 6-8

Total Hours 43-46

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Geology

Code	Title	Hours
EVGE 303	Paleontology/Lab	4
EVGE 327	Structural Geology	4
EVGE 328	Plate Tectonics	3
EVGE 341	Geomorphology/Lab	3
EVGE 342	Glacial Geology/Lab	3
EVGE 351	Mineralogy/Lab	4
EVGE 358	Introduction to Geophysics/Lab	3
EVGE 362	Stratigraphy/Lab	4

Geospatial Technology

Code	Title	Hours
GES 315	Cartography I	3
GES 321	Introduction to UAS for Remote Sensing and Monitoring	3
GES 410	Remote Sensing	3
GES 415	Cartography II	3
GES 425	Advanced Geographic Information Systems	3
GES 426	Environmental Modeling	3

Environmental Science

Code	Title	Hours
EVGE 131	Oceanography	3
EVGE 340	Air Pollution Meteorology	3
EVGE 360	Introduction to Hydrology/Lab	3
EVGE 451	Geochemistry/Lab	4
EVGE 460	Hydrogeology	3
GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Global Studies

Code	Title	Hours
GES 201	Latin America and the Caribbean	3
GES 303	Asia	3
GES 307	Australia	3
GES 331	Economic Geography	3
GES 345	Population Analysis	3

GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Sustainable Communities

Code	Title	Hours
GES 215	Planning for Sustainable Communities	3
GES 235	Conservation	3
GES 344	Environmental Justice	3
GES 362	Applications in Sustainability	3
GES 361	Gender and the Environment	3
GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125	Precalculus	4
or MATH 225	Calculus I	
PHYS 201	Elements of Physics I with Lab	4
or PHYS 216	University Physics 1 with Lab	

Total Hours 12**Co-curricular and Experiential Learning**

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Environmental Geosciences - BA (6 35)
w/optional Pre Masters in Education (7-12) (PX)
This program is effective as of Fall 2020.
Revised 09.18.2025
UCC 10.26.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
GES 115	Introduction to Geospatial Technologies	3
SUBJ 139	Foundations of Academic Discovery ¹	3
EVGE 131	Oceanography	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Hours		13
Spring		
ENGL 104	Critical Reading	3
EVGE 201	Earth Materials and Processes/Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Creative & Aesthetic Inquiry (p. 19)		3
Free elective/minor		3
Hours		17
Second Year		
Fall		
EVGE 202	Earth History/Lab	4
MATH 125	Precalculus	4
Social Science Inquiry (p. 19)		3
Major elective		3-4
Free elective/minor		3
Declare a Thematic Thread ²		
Hours		17-18
Spring		
EVGE 272	Introduction to Georeports/Lab	1
GES 205	Cultural Geography	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		13
Third Year		
Fall		
Major elective		3-4
Thread course		3
Free elective/minor		3
Free elective/minor		3
Free elective/minor		3
Hours		15-16
Spring		
GES 325	Introduction to Geographic Information Science	3
GES 324	Environmental Law and Policy	3
Thematic Thread Requirement (p. 19)		3
Major elective		3-4

Major elective		3
	Hours	15-16
Fourth Year		
Fall		
GES 444	World Environmental Cultures	3
Thematic Thread Requirement (p. 19)		3
Major elective		3-4
Free elective/minor		3
	Hours	12-13
Spring		
Major elective (if needed)		0-3
Free elective/minor		3
Free elective/minor		3
Free elective/minor		3
Free elective/minor		9
	Hours	18-21
	Total Hours**	120-127

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6 35
Revised: 09.23.2025

Environmental Geoscience, Bachelor of Science (BA) / Pre-Master of Education

The environmental geoscience (BA) focuses on providing students with a scientific understanding of the Earth and surrounding environment. The student in geology gains an understanding of the various terrestrial processes and features (mountains, oceans, volcanoes, glaciers); the immenseness of geologic time, the history of the earth and organisms that inhabit it (fossils); the role of water, fuel, and mineral resources in the development of civilization; and the close interaction between the geologic and organic environments.

Students seeking state certification in secondary education must also complete requirements for a Master of Education degree, a one-year program at SRU. All of our programs are designed to steadily develop the quantitative, deductive and inductive reasoning skills that environmental geoscientists must have.

Requirements for the Certification

Teacher certification is earned through the master of education degree at Slippery Rock University. Students seeking secondary school teaching certification in earth and space science must earn a bachelor of arts or a bachelor of science degree in discipline and contact the Department

of Secondary Education/Foundations of Education concerning its graduate program in education. Information about this program, including prerequisites for admission, may be obtained from the Secondary Education/Foundations of Education office in 114 McKay Education Building.

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
 - Each graduate will demonstrate an understanding of the internal structure of Earth
 - Each graduate will be able to explain the fundamental principles of the hydrologic cycle

Geology, Geology, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses
 - Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
 - Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
 - Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures

- Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
- Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems

Related Links

Environmental Geoscience - Pre-Masters of Education, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/environmental-geosciences-pre-masters-of-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	43-45
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	43-46
	Concentration Requirements	6
	Natural Science and Math College-Wide Requirements	12
	Electives	26

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 125	Precalculus	4
or MATH 225	Calculus I	
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Natural Sciences Inquiry		
Select one of the following:		3-4
SCI 101	Science of Life	
CHEM 1xx	100 Level Chemistry & Lab	
BIOL 1xx	100 Level Biology & Lab	
Physical Science Inquiry		
Select one of the following:		3-4
SCI 102	Understanding the Physical World	
EVGE 1xx	100 Level Environmental Geoscience & Lab	
Subtotal		15-17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		43-45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 22 major credits must be taken at SRU or PASSHE
- 22 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Major Requirements		
EVGE 1XX	Any 100-level EVGE course	3-4

EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
EVGE 272	Introduction to Georeports/Lab	1
GES 115	Introduction to Geospatial Technologies	3
GES 205	Cultural Geography	3
GES 324	Environmental Law and Policy	3
GES 325	Introduction to Geographic Information Science	3
Subtotal		24-25

Capstone Experience		
Select one of the following:		3
GES 444	World Environmental Cultures	
EVGE 469	Field Investigations in the Geosciences	
or GES 469	Field Investigations in the Geosciences	
EVGE 450	Internship	
or GES 450	Internship	
Subtotal		3

Focus Area		
Choose 10 credits from one of the following Focus Areas:		10
A: Geology		
Select 10 credits (p. 338)		
B: Geospatial Technology		
Select 10 credits (p. 339)		
C: Environmental Science		
Select 10 credits (p. 339)		
D: Global Studies		
Select 10 credits (p. 339)		
E: Sustainable Communities		
Select 10 credits (p. 339)		
Subtotal		10

Electives		
Any EVGE or GES 300 OR 400-level course		3-4
Any EVGE or GES 300 OR 400-level course		3-4
Subtotal		6-8
Total Hours		43-46

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Geology Code	Title	Hours
EVGE 303	Paleontology/Lab	4
EVGE 327	Structural Geology	4
EVGE 328	Plate Tectonics	3
EVGE 341	Geomorphology/Lab	3
EVGE 342	Glacial Geology/Lab	3
EVGE 351	Mineralogy/Lab	4
EVGE 358	Introduction to Geophysics/Lab	3
EVGE 362	Stratigraphy/Lab	4

Geospatial Technology

Code	Title	Hours
GES 315	Cartography I	3
GES 321	Introduction to UAS for Remote Sensing and Monitoring	3
GES 410	Remote Sensing	3
GES 415	Cartography II	3
GES 425	Advanced Geographic Information Systems	3
GES 426	Environmental Modeling	3

Environmental Science

Code	Title	Hours
EVGE 131	Oceanography	3
EVGE 360	Introduction to Hydrology/Lab	3
EVGE 340	Air Pollution Meteorology	3
EVGE 451	Geochemistry/Lab	4
EVGE 460	Hydrogeology	3
GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Global Studies

Code	Title	Hours
GES 201	Latin America and the Caribbean	3
GES 303	Asia	3
GES 307	Australia	3
GES 331	Economic Geography	3
GES 345	Population Analysis	3
GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Sustainable Communities

Code	Title	Hours
GES 215	Planning for Sustainable Communities	3
GES 235	Conservation	3
GES 344	Environmental Justice	3
GES 362	Applications in Sustainability	3
GES 361	Gender and the Environment	3
GES 355 & GES 356	Earth's Changing Climate and Earth's Changing Climate Laboratory	4

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 125 or MATH 225	Precalculus Calculus I	4
PHYS 201 or PHYS 216	Elements of Physics I with Lab University Physics 1 with Lab	4
Total Hours		12

Recommended Courses for Optional Environmental Geoscience Pre Masters in Education

Code	Title	Hours
SPED 121	Overview of Special Education	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3

Consult your adviser for additional courses

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Environmental Geosciences - BA (6 35)
w/optional Pre Masters in Education (7-12) (PX)
This program is effective as of Fall 2019.
Revised 07.08.2025
UCC 10.26.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
GES 115	Introduction to Geospatial Technologies	3
SUBJ 139	Foundations of Academic Discovery ¹	3
EVGE 131	Oceanography	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Hours		13
Spring		
ENGL 104	Critical Reading	3
EVGE 201	Earth Materials and Processes/Lab	4
Creative and Aesthetic Inquiry (p. 19)		3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Free elective/minor		3
Hours		17

Second Year**Fall**

EVGE 202	Earth History/Lab	4
Social Science Inquiry (p. 19)		3
Major elective		3-4
MATH 125	Precalculus	4
Free elective/minor		3
Declare a Thematic Thread ²		
Hours		17-18

Spring

EVGE 272	Introduction to Georeports/Lab	1
COMM 200	Civil Discourse: Theory & Practice	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Free elective/minor		3
Hours		13

Third Year**Fall**

GES 205	Cultural Geography	3
Major elective		3-4
Thematic Thread Requirement (p. 19)		3
Free elective/minor		3
Free elective/minor		3
Hours		15-16

Spring

GES 325	Introduction to Geographic Information Science	3
GES 444	World Environmental Cultures	3
GES 324	Environmental Law and Policy	3
Thematic Thread Requirement (p. 19)		3
Major elective		3-4
Hours		15-16

Fourth Year**Fall**

Major elective		3-4
Major elective		3-4
Thematic Thread Requirement (p. 19)		3
Free elective/minor		3
Hours		12-14

Spring

Major elective (if needed)		0-3
Free elective/minor		3
Free elective/minor		3
Free elective/minor		3
Free elective/minor		9
Hours		18-21
Total Hours**		120-128

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6 35
Concentration Code: PX
Revised: 09.23.2025

Environmental Geoscience, Bachelor of Science (BS) - Concentration in Applied Geographic Technology

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
 - Each graduate will demonstrate an understanding of the internal structure of Earth
 - Each graduate will be able to explain the fundamental principles of the hydrologic cycle
- Maps to:
- University-wide learning outcome:
 - 3A. Explain and predict natural phenomena through use of observation, experimentation using appropriate technology, and scientific reasoning.

Geology, Geology, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

- Each graduate will demonstrate professionalism and integrity in his/her academic conduct
- Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- Maps to:
- University-wide learning outcome(s)
 - 1A. Communicate successfully with diverse audiences in speech and writing.
 - 1C. Apply analytical reading to support language use.
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses
 - Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
 - Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
 - Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- Maps to:
- University-wide learning outcome(s)
 - 2A. Gather, analyze and evaluate information and ideas.
 - 2B. Produce well-supported reasons and evidence.
 - 2C. Reach well-argued conclusions and decisions.
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems
- Maps to:
- University-wide learning outcome(s)
 - 4A. Create and use mathematics in a variety of forms including formulas, graphs, schematics, and computing, where appropriate.
 - 4B. Implement experimentation and quantitative reasoning to solve problems and make inferences.

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	43
	Other Basic Requirements	0-3
	Major Requirements	48
	Electives	29

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	
<i>Physical Science Inquiry</i>		
EVGE 201	Earth Materials and Processes/Lab	4
Subtotal		16
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ³		12
Total Hours		43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Related Links

Environmental Geoscience - Applied Geographic Technology, BS Program Page

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 24 major credits must be taken at SRU or PASSHE
- 24 major credits must be taken at the 300 level or above

Code	Title	Hours
Environmental Geoscience Core		
EVGE 131	Oceanography	3
GES 115	Introduction to Geospatial Technologies	3
GES 220	General Methods of Fieldwork	3
GES 325	Introduction to Geographic Information Science	3
Capstone		3
EVGE 399	Field Camp	
EVGE 450	Internship	
EVSC 440	Science, Technology and the Environment	
Subtotal		15
Applied Geographic Technology Core Requirements		
CPSC 236	Selected Computer Languages	3
GES 315	Cartography I	3
GES 321	Introduction to UAS for Remote Sensing and Monitoring	3
GES 345	Population Analysis	3
GES 410	Remote Sensing	3
GES 415	Cartography II	3
GES 425	Advanced Geographic Information Systems	3
GES 426	Environmental Modeling	3
CIVL 210	Elementary Survey	3
Subtotal		27
Electives - Applied Geographic Technology		
6 credits required		6
EVGE 303	Paleontology/Lab	
EVGE 327	Structural Geology	
EVGE 328	Plate Tectonics	
EVGE 340	Air Pollution Meteorology	
EVGE 341	Geomorphology/Lab	
EVGE 342	Glacial Geology/Lab	
EVGE 358	Introduction to Geophysics/Lab	
EVGE 360	Introduction to Hydrology/Lab	

EVGE 362	Stratigraphy/Lab	
EVGE 460	Hydrogeology	
GES 324	Environmental Law and Policy	
GES 344	Environmental Justice	
GES 355	Earth's Changing Climate	
GES 361	Gender and the Environment	
GES 362	Applications in Sustainability	
GES 469	Field Investigations in the Geosciences	
ECON 315	Economics of Sustainable Development *	
HEMT 314	Sustainable Planning for Tourism	
HLTH 411	Global Health	
PCRM 204	Environmental Communication	
PCRM 348	Natural History of Ecosystems I	
PCRM 349	Natural History of Ecosystems II	
PCRM 377	Cultural Resources Management	
PHIL 324	Environmental Ethics	
Total Hours		48

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENVIRONMENTAL GEOSCIENCE - BS (6124)/CIM 514
Concentration in Applied Geographic Technology (APGT)
This program is effective as of Effective Summer 2025
Revised 07.21.2025
UCC 11.26.2024

Environmental Geoscience, Bachelor of Science (BS) - Concentration in Environmental Policy

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
 - Each graduate will demonstrate an understanding of the internal structure of Earth
 - Each graduate will be able to explain the fundamental principles of the hydrologic cycle
- Maps to:
 - University-wide learning outcome 3A. Explain and predict natural phenomena through use of observation, experimentation using appropriate technology, and scientific reasoning.
- **Geology, Geology, and the Environment, Overall**
- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- Maps to:
 - University-wide learning outcome(s)
 - 1A. Communicate successfully with diverse audiences in speech and writing.
 - 1C. Apply analytical reading to support language use.
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem-solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses
- Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
- Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
- Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues.
- Maps to:
 - University-wide learning outcome(s)
 - 2A. Gather, analyze and evaluate information and ideas.
 - 2B. Produce well-supported reasons and evidence.
 - 2C. Reach well-argued conclusions and decisions.
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems
- Maps to:
 - University-wide learning outcome(s)
 - 4A. Create and use mathematics in a variety of forms including formulas, graphs, schematics, and computing, where appropriate.
 - 4B. Implement experimentation and quantitative reasoning to solve problems and make inferences.

Related Links

Environmental Geoscience - Environmental Policy, BS Program Page (https://www.sru.edu/programs/undergrad-environmental-geosciences/#tab_sec6)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	48
	Electives	28

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3

ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 113	Biology I: Foundations of Ecology, Evolution and Diversity with Lab	
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
<i>Physical Science Inquiry</i>		
EVGE 201	Earth Materials and Processes/Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ³		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 24 major credits must be taken at SRU or PASSHE
- 24 major credits must be taken at the 300 level or above

Code	Title	Hours
Environmental Geoscience Core		
EVGE 131	Oceanography	3
GES 115	Introduction to Geospatial Technologies	3
GES 220	General Methods of Fieldwork	3
GES 325	Introduction to Geographic Information Science	3
Capstone		3
EVGE 399	Field Camp	
EVGE 450	Internship	
EVSC 440	Science, Technology and the Environment	
Subtotal		15
Environmental Policy Core Requirements		
GES 205	Cultural Geography	3
GES 215	Planning for Sustainable Communities	3
GES 235	Conservation	3
GES 315	Cartography I	3
GES 324	Environmental Law and Policy	3
GES 344	Environmental Justice	3
GES 355	Earth's Changing Climate	3
NLPA 320	Community Change and Development	3
PCRM 348	Natural History of Ecosystems I	3
Subtotal		27
Electives - Environmental Policy		
6 credits required		6
EVGE 340	Air Pollution Meteorology	
EVGE 341	Geomorphology/Lab	
EVGE 342	Glacial Geology/Lab	
EVGE 360	Introduction to Hydrology/Lab	
EVGE 460	Hydrogeology	
GES 321	Introduction to UAS for Remote Sensing and Monitoring	
GES 345	Population Analysis	
GES 361	Gender and the Environment	
GES 362	Applications in Sustainability	
GES 415	Cartography II	
GES 425	Advanced Geographic Information Systems	
GES 426	Environmental Modeling	
GES 469	Field Investigations in the Geosciences	
ECON 315	Economics of Sustainable Development *	
ENGL 410	Literature of the Environment	
HEMT 314	Sustainable Planning for Tourism	
HLTH 411	Global Health	
PCRM 204	Environmental Communication	
PCRM 349	Natural History of Ecosystems II	
PCRM 377	Cultural Resources Management	

PHIL 324	Environmental Ethics
Total Hours	48

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENVIRONMENTAL GEOSCIENCE - BS (6124)/ CIM 513

Concentration in Environmental Policy (ENPO)

This program is effective as of Effective Summer 2025

Revised 07.21.2025

UCC 11.26.2024

Environmental Geoscience, Bachelor of Science (BS) - Concentration in Environmental Science

Environmental science is the integration of scientific knowledge from many disciplines in order to understand the interrelationships between human activities and the environment. Environmental science majors are exposed to the general principles of biology, chemistry, geology, geography, meteorology, and physics. Thus, it is not a focus on one of these disciplines, but involves all of them and their interaction within environmental systems.

Environmental science majors could enter several general fields:

- Industry and Consulting, monitoring and investigating the contamination of the air, land and water. Responsibilities could range from working to reduce potential environmental contamination in an industrial setting, to remediating contamination that resulted from past disposal practices.
- Local, State, or Federal Environmental Agencies, working to monitor, enforce, and develop environmental policy and regulations.

- Environmental Research, working to understand and solve environmental problems. Students would continue their education in a graduate program focusing on an area of interest to them.

The program is rich in laboratory and field experiences that support our lecture classes. Students gain important practical experience working in the field studying environmental systems and problems. In addition, students are required to complete an approved internship or research project. We train our students not only with a liberal arts education and a broad-based scientific background, but with the skills that will enable them to succeed in a competitive work force. The department encourages undergraduate student research. Opportunities abound for students to work directly with the faculty on independent research projects.

EVSC 450 or EVSC 480 must be completed during the summer after your Junior or Senior year.

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
 - Each graduate will demonstrate an understanding of the internal structure of Earth
 - Each graduate will be able to explain the fundamental principles of the hydrologic cycle

Geology, GeoGRAPHY, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses

- Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
- Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
- Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems

Alignment of Program Outcomes with University Outcomes

GGE Program outcome 1: Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior. = **UG Outcome 1:** Act as effective communicators.

GGE Program outcome 2: Each graduate shall possess and apply critical thinking and problem solving skills. = **UG Outcome 2:** Apply critical thinking to argument and problem solving

GGE Program outcome 3: Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures. = **UG Outcome 3 and 4:** Develop scientific literacy; Apply quantitative reasoning in appropriate contexts.

EVGE Program Outcome 1: Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior. = **GGE Program Outcome 1** = **UG Outcome 1:** Act as effective communicators; **UG Outcome 5:** Develop as a whole person

Related Links

Environmental Geoscience - Environmental Science, BS Program Page

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	53
	Natural Science and Math College-Wide Requirements	12
	Electives	22

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ²	4
<i>Physical Science Inquiry</i>		
PHYS 216	University Physics 1 with Lab ²	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.
² Course counts for 50% of Major requirements and Major GPA
³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 27 major credits must be taken at SRU or PASSHE
- 27 major credits must be taken at the 300 level or above

Code	Title	Hours
Environmental Geoscience Core		
EVGE 131	Oceanography	3
GES 115	Introduction to Geospatial Technologies	3
GES 220	General Methods of Fieldwork	3
GES 325	Introduction to Geographic Information Science	3
Capstone		3
EVSC 440	Science, Technology and the Environment	
EVGE 399	Field Camp	
EVGE 450	Internship	
Subtotal		15
Environmental Science Core Requirements		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 401	Ecology with Lab	3
EVGE 121	Meteorology/Lab	4
EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
EVGE 360	Introduction to Hydrology/Lab	3
EVGE 451	Geochemistry/Lab	4
GES 324	Environmental Law and Policy	3
GES 426	Environmental Modeling	3
Subtotal		32
Electives - Environmental Science		
6 credits required		6
BIOL 305	Wetlands and Aquatic Plants/Lab *	
BIOL 306	Freshwater Biomonitoring/Lab *	
BIOL 357	Environmental Microbiology with Lab *	
CHEM 201	Organic Chemistry I	
CHEM 340	Air Quality Assessment *	
CHEM 350	Analytical Chemistry	
CHEM 370	Water Quality Assessment *	
CHEM 425	Instrumental Analysis *	
CIVL 330	Environmental Engineering *	
EVGE 327	Structural Geology	
EVGE 303	Paleontology/Lab	
EVGE 328	Plate Tectonics	
EVGE 340	Air Pollution Meteorology	
EVGE 341	Geomorphology/Lab	
EVGE 342	Glacial Geology/Lab	

EVGE 362 Stratigraphy/Lab

EVGE 460 Hydrogeology

EVGE 469 Field Investigations in the Geosciences

GES 315 Cartography I

GES 321 Introduction to UAS for Remote Sensing and Monitoring

GES 344 Environmental Justice

GES 345 Population Analysis

GES 361 Gender and the Environment

GES 362 Applications in Sustainability

GES 410 Remote Sensing

GES 425 Advanced Geographic Information Systems

MRSC XXX Marine Science Summer Course *

Total Hours**53**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Required Related Courses

Code	Title	Hours
These credits DO NOT count towards the major		
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1

¹ Course counts for 50% of Major requirements and Major GPA

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

ENVIRONMENTAL GEOSCIENCE - BS (6124)/CIM 175
Concentration in Environmental Science (ENSC)
This program is effective as of Effective Summer 2025
Revised 07.03.2025
UCC 04.15.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
GES 115	Introduction to Geospatial Technologies	3
EVGE 131	Oceanography	3
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Hours		13
Spring		
ENGL 104	Critical Reading	3
EVGE 201	Earth Materials and Processes/Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Hours		15
Second Year		
Fall		
EVGE 202	Earth History/Lab	4
Social Science Inquiry (p. 19)		3
EVGE 121	Meteorology/Lab	4
MATH 225	Calculus I	4
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		18
Spring		
EVGE 203	Quantitative Methods	3
EVGE 272	Introduction to Georeports/Lab	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Major elective		4
Hours		14
Third Year		
Fall		
EVGE 451	Geochemistry/Lab	4
EVGE 360	Introduction to Hydrology/Lab	3
CHEM 200	Fundamentals of Organic Chemistry	3

PHYS 216	University Physics 1 with Lab	4
Hours		14
Spring		
GES 324	Environmental Law and Policy	3
PHYS 217	University Physics 2 with Lab	4
Thematic Thread Requirement (p. 19)		3
Major elective		3
Major elective		3
Hours		16
Fourth Year		
Fall		
BIOL 401	Ecology with Lab	3
BIOL 357	Environmental Microbiology with Lab	4
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Free elective/minor		3
Hours		16
Spring		
BIOL 325	Biostatistics and Experimental Design with Lab	3
Major elective		3-4
Thematic Thread Requirement (p. 19)		3
Free elective/minor		3
Free elective/minor		2-3
Hours		14-16
Total Hours**		120-122

¹ Course offered in multiple subjects; cannot take course in first major subject
² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6124
Concentration Code: ENSC
Revised: 09.23.2025

Environmental Geoscience, Bachelor of Science (BS) - Concentration in Geography

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates

- Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
- Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
- Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
- Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
- Each graduate will demonstrate an understanding of the internal structure of Earth
- Each graduate will be able to explain the fundamental principles of the hydrologic cycle
- Maps to:
 - University-wide learning outcome 3A. Explain and predict natural phenomena through use of observation, experimentation using appropriate technology, and scientific reasoning.

Geology, Geology, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- Maps to:
- University-wide learning outcome(s)
 - 1A. Communicate successfully with diverse audiences in speech and writing.
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses
 - Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
 - Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
 - Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- Maps to:
- University-wide learning outcome(s)

- 2A. Gather, analyze and evaluate information and ideas.
- 2B. Produce well-supported reasons and evidence.
- 2C. Reach well-argued conclusions and decisions.
- **Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems
- Maps to:
- University-wide learning outcome(s)
 - 4A. Create and use mathematics in a variety of forms including formulas, graphs, schematics, and computing, where appropriate.
 - 4B. Implement experimentation and quantitative reasoning to solve problems and make inferences.

Related Links

Environmental Geoscience - Geography, BS Program Page

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	43
	Other Basic Requirements	0-3
	Major Requirements	49
	Electives	28

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Subtotal	15
Integrated Inquiry	
<i>Creative and Aesthetic Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)	3
<i>Natural Sciences Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
EVGE 201 Earth Materials and Processes/Lab	4
Subtotal	16
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ³	12
Total Hours	43

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 24 major credits must be taken at SRU or PASSHE
- 24 major credits must be taken at the 300 level or above

Code	Title	Hours
Environmental Geoscience Core		
EVGE 131	Oceanography	3
GES 115	Introduction to Geospatial Technologies	3

GES 220	General Methods of Fieldwork	3
GES 325	Introduction to Geographic Information Science	3
Capstone		3
EVGE 399	Field Camp	
EVSC 440	Science, Technology and the Environment	
GES 450	Internship	
Subtotal		15
Geography Core Requirements		
GES 205	Cultural Geography	3
GES 315	Cartography I	3
GES 344	Environmental Justice	3
GES 345	Population Analysis	3
GES 355	Earth's Changing Climate	3
EVGE 121	Meteorology/Lab	4
ECON 201	Principles of Macroeconomics	3
HLTH 411	Global Health	3
NLPA 320	Community Change and Development	3
Subtotal		28
Electives - Geography		
6 credits required		6
EVGE 328	Plate Tectonics	
EVGE 340	Air Pollution Meteorology	
EVGE 341	Geomorphology/Lab	
EVGE 342	Glacial Geology/Lab	
EVGE 360	Introduction to Hydrology/Lab	
EVGE 460	Hydrogeology	
GES 303	Asia	
GES 321	Introduction to UAS for Remote Sensing and Monitoring	
GES 324	Environmental Law and Policy	
GES 361	Gender and the Environment	
GES 362	Applications in Sustainability	
GES 410	Remote Sensing	
GES 415	Cartography II	
GES 425	Advanced Geographic Information Systems	
GES 426	Environmental Modeling	
GES 469	Field Investigations in the Geosciences	
ENGL 242	African-American Literature	
ENGL 244	Native American Literature	
ENGL 246	U.S. Latino/a Literatures	
ENGL 402	World Literature	
HEMT 314	Sustainable Planning for Tourism	
HIST 326	The Long Civil Rights Movement	
HIST 337	Native American History	
HIST 352	Latin America Since 1830	
HIST 353	History of the Americas	
HIST 363	Southern Africa	
HIST 376	Modern Japan	
HIST 386	Modern China	
HIST 427	Nineteenth Century Europe	
HIST 462	The Contemporary Middle East	

INDP 322	Archaeology of the Americas	
JAPN 305	Japanese Popular Culture	
JAPN 330	Samurai Culture Through Film	
PCRM 377	Cultural Resources Management	
PHIL 343	Asian Philosophy	
POLI 263	Introduction to Comparative Politics	
POLI 369	Politics of Developing Areas	
SPAN 215	Topics in Hispanic Culture	
SPAN 328	Latin American Today	
Total Hours		49

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service Learning Courses
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENVIRONMENTAL GEOSCIENCE - BS (6124)/CIM 515

Concentration in Geography (GEOG)

This program is effective as of Effective Summer 2025

Revised 07.18.2025

UCC 11.26.2024

Environmental Geoscience, Bachelor of Science (BS) - Concentration in Geology

The environmental geoscience (BS) concentration in geology focuses on providing students with a scientific understanding of the Earth and surrounding environment. The student in geology gains an understanding of the various terrestrial processes and features (mountains, oceans, volcanoes, glaciers); the immenseness of geologic time, the history of the earth and organisms that inhabit it (fossils); the role of water, fuel,

and mineral resources in the development of civilization; and the close interaction between the geologic and organic environments.

Demand for the professional geologist comes from the needs of engineering, hydrogeologic and environmental firms; geological surveys; oil, gas and mining companies; state and national parks; museums; conservation agencies; planning commissions; and teaching institutions. A student who completes a bachelor of science in geology will have the basis for entry to graduate schools or for employment as a geologist.

Candidates completing this program are eligible to sit for the two-part Association State Boards of Geology (ASBOG) examination required for a Professional Geologist license in Pennsylvania. The first examination, Fundamentals of Geology, can be taken upon graduation. The second examination, Principles and Practices of Geology, can be taken after working for five years. Regulations for licensing vary by state and you are urged to check with the licensing board in the state you will be working.

Program Learning Outcomes

- **Outcome 1 (EVGE):** Each graduate shall develop general knowledge and understanding of the composition, history, and structure of the planet, and of the physical, chemical, and biological processes involved in the interactions between the geosphere, hydrosphere, atmosphere, and biosphere.
 - Each graduate will demonstrate an understanding of plate tectonic theory and be able to describe how it operates
 - Each graduate will demonstrate an understanding of the geologic time scale and the timing of major events in Earth history
 - Each graduate will demonstrate the ability to characterize and identify important rocks and minerals, and to interpret the processes by which they formed
 - Each graduate will demonstrate an understanding of the history, causes, and effects of global climate change
 - Each graduate will demonstrate an understanding of evolutionary theory and its evidence in the fossil record
 - Each graduate will demonstrate an understanding of the internal structure of Earth
 - Each graduate will be able to explain the fundamental principles of the hydrologic cycle

Geology, GeoGRAPHY, and the Environment, Overall

- **Outcome 1:** Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior.
 - Each graduate will deliver oral presentations, demonstrating the ability to effectively communicate discipline-specific concepts
 - Each graduate will write scholarly papers using acceptable format and organization with proper citations to appropriate literature.
 - Each graduate will actively participate in collaborative projects and in academic field trips
 - Each graduate will demonstrate professionalism and integrity in his/her academic conduct
 - Each graduate shall develop the ability to respect and integrate diverse worldviews in problem-solving frameworks
- **Outcome 2:** Each graduate shall possess and apply critical thinking and problem solving skills.
 - Each graduate will demonstrate the ability to develop valid research questions and hypotheses

- Each graduate will demonstrate the ability to apply proper techniques for data acquisition and interpretation in a problem-solving context
- Each graduate will demonstrate the ability to solve open-ended problems using scientific methodology
- Each graduate will develop the ability to make informed, scientifically-based decisions regarding environmental issues
- Outcome 3:** Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures.
 - Each graduate will learn and employ accepted laboratory and field techniques, protocols, and safety procedures
 - Each graduate will learn to read, construct, and comprehend thematic maps and derive perspective output from a map
 - Each graduate will demonstrate the ability to apply knowledge, concepts and techniques from complementary disciplines to solve problems

Alignment of Program Outcomes with University Outcomes

Program outcome 1: Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior. = **UG Outcome 1:** Act as effective communicators.

Program outcome 2: Each graduate shall possess and apply critical thinking and problem solving skills. = **UG Outcome 2:** Apply critical thinking to argument and problem solving

Program outcome 3: Each graduate shall develop skills in quantitative, qualitative, technological, laboratory, and field procedures. = **UG Outcome 3 and 4:** Develop scientific literacy; Apply quantitative reasoning in appropriate contexts.

EVGE Program Outcome 1: Each graduate will develop strong written and oral communication skills, demonstrate the ability to work in a collaborative environment, and exhibit professional attitudes and behavior. = **GGE Program Outcome 1** = **UG Outcome 1:** Act as effective communicators; **UG Outcome 5:** Develop as a whole person

Related Links

Environmental Geoscience - Geology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/environmental-geosciences-geology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	46

Natural Science and Math College-Wide Requirement	12
Electives	32

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab ²	4
<i>Physical Science Inquiry</i>		
PHYS 216	University Physics 1 with Lab ²	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ³		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Course counts for 50% of Major requirements and Major GPA

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 22 major credits must be taken at SRU or PASSHE
- 22 major credits must be taken at the 300 level or above

Code	Title	Hours
Environmental Geoscience Core		
EVGE 131	Oceanography	3
GES 115	Introduction to Geospatial Technologies	3
GES 220	General Methods of Fieldwork	3
GES 325	Introduction to Geographic Information Science	3
<i>Capstone</i>		3
EVSC 440	Science, Technology and the Environment	
EVGE 450	Internship	
EVGE 399	Field Camp	
Subtotal		15
Geology Core Program Requirements		
EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
EVGE 327	Structural Geology	4
EVGE 341	Geomorphology/Lab	3
EVGE 353	Mineralogy and Petrology	3
EVGE 360	Introduction to Hydrology/Lab	3
EVGE 362	Stratigraphy/Lab	4
Subtotal		25
Electives		
Select six credits from the following:		6
EVGE 303	Paleontology/Lab	
EVGE 328	Plate Tectonics	
EVGE 342	Glacial Geology/Lab	
EVGE 358	Introduction to Geophysics/Lab	
EVGE 451	Geochemistry/Lab	
EVGE 460	Hydrogeology	
EVGE 469	Field Investigations in the Geosciences	
GES 321	Introduction to UAS for Remote Sensing and Monitoring	
GES 410	Remote Sensing	
GES 425	Advanced Geographic Information Systems	
GES 426	Environmental Modeling	
CIVL 330	Environmental Engineering *	
CIVL 340	Geotechnical Engineering *	
CIVL 350	Water Resources Engineering *	

CIVL 430	Storm Water Management *	
ENGR 230	Mechanics of Materials *	
PNGE 312	Petrophysics *	
Subtotal		6
Total Hours		46

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Required Related Courses

Code	Title	Hours
These credits do not count towards the major		
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Total Hours		4

Natural Science & Math College-Wide Requirement

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. Student-faculty research
3. Service-learning classes
4. Internships
5. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENVIRONMENTAL GEOSCIENCE - BS (6124)/CIM 176

Concentration in Geology (GEOL)

This program is effective as of Summer 2025

Revised 07.03.2025

UCC 04.15.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
EVGE 131	Oceanography	3
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
ENGL 104	Critical Reading	3
EVGE 201	Earth Materials and Processes/Lab	4
Social Science Inquiry (p. 19)		3
MATH 125	Precalculus	4
Elective		3
Hours		17
Second Year		
Fall		
EVGE 202	Earth History/Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
MATH 225	Calculus I	4
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		3
Hours		15
Spring		
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
MATH 230	Calculus II	4
EVGE 203	Quantitative Methods	3
EVGE 272	Introduction to Georeports/Lab	1
Hours		15
Third Year		
Fall		
EVGE 360	Introduction to Hydrology/Lab	3
EVGE 362	Stratigraphy/Lab	4
PHYS 211	General Physics I with Lab	4
Thematic Thread Requirement (p. 19)		3
Major Elective		3
Hours		17
Spring		
EVGE 303	Paleontology/Lab	4
EVGE 341	Geomorphology/Lab	3
PHYS 213	General Physics III/ Lab	4
Thematic Thread Requirement (Upper Level) (p. 19)		3

Major elective		3
	Hours	17
Fourth Year		
Fall		
GES 325	Introduction to Geographic Information Science	3
EVGE 351	Mineralogy/Lab	4
EVGE 327	Structural Geology	4
Major Elective		3
Thematic Thread Requirement (p. 19)		3
	Hours	17
Spring		
GES 410	Remote Sensing	3
EVGE 352	Petrology/Lab	4
Thematic Thread Requirement (p. 19)		3
Major elective		3
Field Camp (summer)		0-4
	Hours	13-17
	Total Hours**	127-131

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Major Code: 6124

Concentration: GEOL

Revised: 09.23.2025

Environmental Science, Minor

Environmental science is the integration of scientific knowledge from many disciplines in order to understand the interrelationships between human activities and the environment. Environmental science minors are exposed to the general principles of biology, chemistry, geology, geography, meteorology, and physics. Students learn how the interactions of all of these processes contribute to the operation of our earth system. This knowledge can prepare students for careers in water and air quality management, nature conservation, or planning for climate change.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
EVGE 360	Introduction to Hydrology/Lab	3
GES 355	Earth's Changing Climate	3
Subtotal		14
Electives		
Select six to eight credits from the list below		6-8
Electives (p. 355)		
Total Hours		20-22

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
BIOL 305	Wetlands and Aquatic Plants/Lab	3
BIOL 306	Freshwater Biomonitoring/Lab	3
BIOL 357	Environmental Microbiology with Lab	4
BIOL 401	Ecology with Lab	3
CHEM 340	Air Quality Assessment	4
CHEM 370	Water Quality Assessment	4
EVGE 327	Structural Geology	4
EVGE 340	Air Pollution Meteorology	3
EVGE 341	Geomorphology/Lab	3
EVGE 362	Stratigraphy/Lab	4
EVGE 451	Geochemistry/Lab	4
EVGE 460	Hydrogeology	3
GES 315	Cartography I	3
GES 321	Introduction to UAS for Remote Sensing and Monitoring	3
GES 324	Environmental Law and Policy	3
GES 325	Introduction to Geographic Information Science	3
GES 344	Environmental Justice	3
GES 362	Applications in Sustainability	3
GES 410	Remote Sensing	3
GES 469	Field Investigations in the Geosciences	3
or EVGE 469	Field Investigations in the Geosciences	

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum

categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ENVIRONMENTAL SCIENCE (26A)

This program is effective as of Fall 2020.

Revised 09.18.2025

UCC 04.21.20

Environmental Studies, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Environment		3-4
GES 135	Introduction to Environmental Problems	
GES 150	The Natural Environment	
EVGE 1XX	Any EVGE 100-level course	
Planning		3
GES 215	Planning for Sustainable Communities	
GES 331	Economic Geography	
Community		3
GES 205	Cultural Geography	
GES 344	Environmental Justice	
GES 362	Applications in Sustainability	
Techniques		3
GES 220	General Methods of Fieldwork	
GES 325	Introduction to Geographic Information Science	
GES 410	Remote Sensing	
Upper Level Geography Electives		6
GES 3XX/4XX	Any GES 300/400 level courses	
Total Hours		18-19

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ENVIRONMENTAL STUDIES (32D)
This program is effective as of Summer 2022
Revised 03.31.2022
UCC 10.02.2021

Geographic Information Science, Certificate

The certificate is specifically designed to provide specialized skills to individuals who currently work with spatial data in their chosen field or would like to leverage geospatial data in future employment. The curriculum is designed to support the increasing importance of geospatial data and analysis across diverse disciplines including geography, biological and environmental sciences, business and logistics, resource management and geosciences, planning and conservation.

The curriculum consists of twelve credits that can be completed in two semesters of coursework. The scope of coursework is designed to support individuals already familiar with basic computer concepts and descriptive statistics principles.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Geographic Information Science, Certificate Program Page (<https://www.sru.edu/academics/certificates/geographic-information-science-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
CPSC 130	Introduction to Computing and Programming	3
GES 315	Cartography I	3
GES 325	Introduction to Geographic Information Science	3
Select 2 classes from the following:		6
GES 410	Remote Sensing	

GES 415	Cartography II
GES 425	Advanced Geographic Information Systems
GES 426	Environmental Modeling
Total Hours	15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN GEOGRAPHIC INFORMATION SCIENCE (6130)
This program is effective as of Summer 2018.
Revised 11.09.2021

Geographic Information Technology, Minor

The Geographic Information Technology minor is designed to prepare students for employment in technical occupations and planning by becoming proficient in the fast growing field of geographic information technology. This program emphasizes the collection, analysis, and representation of earth data at scales ranging from the local to the global. Opportunities abound for students to engage in fieldwork, internships, and in the production of research in our department. If you enjoy learning about the Earth and its peoples and landscapes, either in your back yard or far away, please consider the opportunities our program provides. Representative employment areas for our graduates include environmental consulting, pollution remediation, environmental monitoring, environmental law or public policy, resource management, geographic information systems analysis, nonprofit environmental organizations, and planning.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
GES 220	General Methods of Fieldwork	3
GES 315	Cartography I	3
GES 325	Introduction to Geographic Information Science	3
GES 410	Remote Sensing	3
GES 415	Cartography II	3
GES 425	Advanced Geographic Information Systems	3
GES 450	Internship	3
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GEOGRAPHIC INFORMATION TECHNOLOGY (32C)

This program is effective as of Fall 2003.

Revised 8-2019

Geology, Minor

The Geology minor provides students with a scientific understanding of the Earth and surrounding environment. The student in geology gains an understanding of the various terrestrial processes and features (mountains, oceans, volcanoes, glaciers); the immenseness of geologic time, the history of the earth and organisms that inhabit it (fossils); the role of water, fuel, and mineral resources in the development of civilization; and the close interaction between the geologic and organic environments. Demand for the professional geologist comes from the needs of engineering, hydrogeologic and environmental firms; geological surveys; oil, gas and mining companies; state and national parks; museums; conservation agencies; planning commissions; and teaching institutions.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 9 credit hours must be upper division (an upper division course includes any 3-credit course that requires a pre-requisite)
- A minor shall be no fewer than 15 credits.

Code	Title	Hours
Required Courses		
EVGE 1XX	Any 100-Level EVGE Course	3
EVGE 201	Earth Materials and Processes/Lab	4
EVGE 202	Earth History/Lab	4
Electives		
Select at least three courses:		9-12
EVGE 303	Paleontology/Lab	
EVGE 323	Planetary Geology	
EVGE 327	Structural Geology	
EVGE 328	Plate Tectonics	
EVGE 341	Geomorphology/Lab	
EVGE 342	Glacial Geology/Lab	
EVGE 351	Mineralogy/Lab	
EVGE 352	Petrology/Lab	
EVGE 358	Introduction to Geophysics/Lab	
EVGE 362	Stratigraphy/Lab	
EVGE 458	Geophysical Field Methods/Lab	
EVGE 460	Hydrogeology	
Total Hours		20-23

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GEOLOGY (34A)

This program is effective as of Fall 2017.

Revised 09.18.2025

Geophysics, Minor

The Geophysics minor provides students with a grounding in the technical skills crucial to investigating the subsurface features of our earth. The minor emphasizes a variety of state-of-the-art techniques used by professionals in resource exploration and development in order to study what lies beneath our feet, including both ground-based approaches as well as aerial (drones) and satellite imaging.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Geophysics Core Courses		
EVGE 358	Introduction to Geophysics/Lab	3
EVGE 458	Geophysical Field Methods/Lab	3
Foundation Sequence		
Select one of the following sequences:		12-13
<i>Foundation – Environmental Geoscience Majors</i>		
MATH 231	Calculus III	
MATH 240	Linear Algebra and Differential Equations	
PHYS 212	General Physics II with Lab	
CPSC 146	Programming Principles	
<i>Foundation – Other (Non-EVGE) Majors</i>		
EVGE 101	Physical Geology	
EVGE 201	Earth Materials and Processes/Lab	
MATH 240	Linear Algebra and Differential Equations	
PHYS 212	General Physics II with Lab	
Total Hours		18-19

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Geophysics (34E)
This program is effective as of Fall 2014.
Revised 09.18.2025

Meteorology, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Minor Courses		
EVGE 121	Meteorology/Lab	4
EVGE 340	Air Pollution Meteorology	3
GES 355	Earth's Changing Climate	3
GES 356	Earth's Changing Climate Laboratory	1
CPSC 140	Introduction to Programming Principles	3
MATH 230	Calculus II	4
Required Elective Courses		
Select two of the following:		6-7
MATH 240	Linear Algebra and Differential Equations	
CHEM 340	Air Quality Assessment	
EVGE 360	Introduction to Hydrology/Lab	
PHYS 385	Computational Physics	
EVSC 490	Independent Study	
Total Hours		24-25

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN METEOROLOGY (34B)

This program is effective as of Fall 2008

Revised 09.18.2025

Sustainability, Certificate

This interdisciplinary certificate should benefit a diverse population of students who might not be introduced to such concepts through completion of their degree program. Students who obtain a Certificate in Sustainability will be better prepared to critically evaluate society's interactions with the environment and to help find ethical and equitable solutions to environmental challenges.

Students will complete one course from at least two of the three categories, and complete the capstone course, Principles of Sustainability. Only two of the four courses can be from the same academic discipline. Students must also complete 12 hours of stewardship, which may include service learning, community volunteer hours, research, or a sustainability project. The capstone course includes the stewardship requirement.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Sustainability, Certificate Program Page (<https://www.sru.edu/academics/certificates/sustainability-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

This interdisciplinary certificate should benefit a diverse population of students who might not be introduced to such concepts through completion of their degree program. Students who obtain a Certificate in Sustainability will be better prepared to critically evaluate society's interactions with the environment and to help find ethical and equitable solutions to environmental challenges.

Students will complete one course from at least two of the three categories, and complete the capstone course, Principles of Sustainability. Only two of the four courses can be from the same academic discipline. Students must also complete 12 hours of stewardship, which may include service learning, community volunteer hours, research, or a sustainability project. The capstone course includes the stewardship requirement.

Code	Title	Hours
Certificate Requirements		
Select one course from at least two of the three categories: ¹		9
<i>Environmental Stewardship</i>		
BIOL 105	Environmental Biology	

BIOL 322	Conservation Biology/Lab
BIOL 401	Ecology with Lab
EVGE 100	Environmental Geology
EVGE 131	Oceanography
EVSC 440	Science, Technology and the Environment
GES 135	Introduction to Environmental Problems
GES 235	Conservation
GES 355	Earth's Changing Climate
PCRM 104	Foundations in Sustainability
Social Responsibility	
ENGL 410	Literature of the Environment
GES 215	Planning for Sustainable Communities
GES 324	Environmental Law and Policy
GES 344	Environmental Justice
HIST 445	Americans and the Environment
INDP 401	Applied Anthropology
NLPA 120	Civic Engagement and Community Decision-Making
NLPA 320	Community Change and Development
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising
PHIL 324	Environmental Ethics
PHIL 331	Social and Political Philosophy
Economic Prosperity	
ECON 315	Economics of Sustainable Development
GES 305	Environmental Economic Geography
HEMT 114	Sustainability in Food and Hospitality
HEMT 210	Contemporary Travel and Tourism
HEMT 314	Sustainable Planning for Tourism
MGMT 370	Sustainable Entrepreneurship and Innovation
MGMT 459	Sustainable Business Consulting
PHIL 326	Business Ethics
Capstone Experience	
GES 362	Applications in Sustainability
Total Hours	12

¹ Only two of the four courses can be from the same academic discipline.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN SUSTAINABILITY (614C)
This program is effective as of Spring 2016.
Revised 09.18.2025
UCC 3.26.2019

Homeland Security and Corporate Security

Programs

Majors

- Corporate Security, Bachelor of Science (BS) - Concentration in Fraud (p. 360)
- Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security (p. 362)
- Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security/Advanced Piloting (CCBC) (p. 365)
- Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security/Professional Pilot (CCBC) (p. 365)
- Homeland Security, Bachelor of Science (BS) (p. 366)
- Homeland Security, Bachelor of Science (BS)/Advanced Piloting (CCBC) (p. 369)
- Homeland Security, Bachelor of science (BS)/Professional Pilot (CCBC) (p. 369)

Minors

- Fraud, Minor (p. 366)
- Homeland Security, Minor (p. 370)
- Organizational Security, Minor (p. 371)

Certificates

- Fraud, Certificate (p. 365)
- Homeland Security, Certificate (p. 369)
- Organizational Security, Certificate (p. 370)

Corporate Security, Bachelor of Science (BS) - Concentration in Fraud

PROGRAM LEARNING OUTCOMES

- Professional Proficiency-Demonstrate skills required of entry level corporate security professionals. (UO 5)
- Critical Thinking-Identify, evaluate, and mitigate complex security issues. (UO 2)
- Communication-Communicate effectively in a variety of professional contexts. (UO 1)
- Law and Ethics-Apply legal and ethical principles in solving complex security issues. (UO 8)
- Professional Skills-Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline. (UO 5)

Related Links

- Corporate Security - Fraud, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/corporate-security/>)
- Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Electives		18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Courses		
ACCT 209	Financial Accounting ¹	3
CSS 120	Introduction to Private Security ²	3
CSS 310	Organizational Continuity and Resilience ²	3
CSS 351	Fraud ²	3
CSS 352	Law & Ethics in the Workplace ²	3
CSS 354	Risk Assessment and Fraud Prevention ²	3
CSS 430	Corporate Security Law ²	3
CSS 440	Corporate Security Investigation ²	3
CSS 460	Corporate Security Capstone ²	3
HSS 130	Principles of Emergency Management ²	3
HSS 320	Protecting Infrastructure and Key Assets ²	3
HSS 350	Securing Virtual Infrastructure ²	3
MIS 301	Practical Computer Security ¹	3
Subtotal		39
Fraud Concentration		
CSS 210	Physical Security ²	3
CSS 240	Security Management ²	3
CSS 360	Specialized Fraud Schemes ²	3
CSS 370	Fraud Law and Report Writing ²	3
CSS 420	Fraud Examination ²	3
Subtotal		15
Major Electives		
Select two of the following:		6

CSS 190	Experimental ²
or CSS 290	Experimental
or CSS 390	Experimental
CSS 195	Workshop ²
or CSS 295	Workshop
or CSS 395	Workshop
or CSS 495	Workshop
CSS 198	Selected Topics ²
or CSS 298	Selected Topics
or CSS 398	Selected Topics
or CSS 498	Selected Topics
CSS 300	Personnel Security ²
CSS 450	Internship ²
CSS 490	Independent Study ²
HSS 210	Fundamentals of Terrorism ²
HSS 260	Emergency Management Planning ²
HSS 300	Terrorist Organizations and Lone Wolves ²
HSS 310	Weapons of Mass Destruction ²
MIS 333	Introduction to Computer Forensics ¹
Subtotal	6
Total Hours	60

¹ Course counts for 50% of Major but not Major GPA

² Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Internships
2. Job Shadowing
3. Security Studies Club
4. Project to End Human Trafficking Club
5. Security Studies Speaker's Series
6. Department of Homeland/Corporate Security Studies Field Trips and Spring Break Trips

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CORPORATE SECURITY (5170)
Concentration in Fraud (FRAD)

This program is effective as of Fall 2019
 Revised 05.10.2023
 UCC 03.21.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CSS 120	Introduction to Private Security	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ³	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
HSS 130	Principles of Emergency Management	3
CSS 210	Physical Security	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Free Elective		3
Hours		15
Second Year		
Fall		
CSS 240	Security Management	3
ACCT 209	Financial Accounting	3
SCI 101	Science of Life	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Free Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
HSS 350	Securing Virtual Infrastructure	3
CSS 352	Law & Ethics in the Workplace	3
SCI 102	Understanding the Physical World	3
Free Elective		6
Hours		15
Third Year		
Fall		
CSS 310	Organizational Continuity and Resilience	3
CSS 351	Fraud	3
MIS 301	Practical Computer Security	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
CSS 354	Risk Assessment and Fraud Prevention	3
CSS 430	Corporate Security Law	3
HSS 320	Protecting Infrastructure and Key Assets	3

Major Elective		3
Thematic Thread Requirement (p. 19)		6
Hours		18
Fourth Year		
Fall		
CSS 360	Specialized Fraud Schemes	3
CSS 440	Corporate Security Investigation	3
Thematic Thread Requirement (p. 19)		3
Major Elective		3
Hours		12
Spring		
CSS 370	Fraud Law and Report Writing	3
CSS 420	Fraud Examination	3
CSS 460	Corporate Security Capstone	3
Free Elective		6
Hours		15
Total Hours**		121

¹ The prerequisites for ENGL 205 are ENGL 102 & ENGL 104.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

- CS Organizational Security Major requires 60 Credit Hours (36 Core + 9 General + 9 Culture + 6 Electives).

- The number of free electives will depend on Rock Studies 2 courses taken and/or Minor.

- The number of Rock Studies 2 courses will depend on how much overlap there is between major courses and Rock Studies 2 courses.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5170

Concentration Code: FRAD

Revised date: 09.23.2025

Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security

PROGRAM LEARNING OUTCOMES

Professional Proficiency-Demonstrate skills required of entry level corporate security professionals. (UO 5)

Critical Thinking-Identify, evaluate, and mitigate complex security issues. (UO 2)

Communication-Communicate effectively in a variety of professional contexts. (UO 1)

Law and Ethics-Apply legal and ethical principles in solving complex security issues. (UO 8)

Professional Skills-Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline. (UO 5)

Related Links

Corporate Security - Organizational Security, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/corporate-security/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ²

Total Hours **42**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

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Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

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Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Courses		
ACCT 209	Financial Accounting ¹	3
CSS 120	Introduction to Private Security ²	3
CSS 310	Organizational Continuity and Resilience ²	3
CSS 351	Fraud ²	3
CSS 352	Law & Ethics in the Workplace ²	3
CSS 354	Risk Assessment and Fraud Prevention ²	3
CSS 430	Corporate Security Law ²	3
CSS 440	Corporate Security Investigation ²	3
CSS 460	Corporate Security Capstone ²	3
HSS 130	Principles of Emergency Management ²	3
HSS 320	Protecting Infrastructure and Key Assets ²	3
HSS 350	Securing Virtual Infrastructure ²	3
MIS 301	Practical Computer Security ¹	3
Subtotal		39
Organizational Security Concentration		
CSS 210	Physical Security ²	3
CSS 240	Security Management ²	3
CSS 300	Personnel Security	3
CSS 360	Specialized Fraud Schemes ²	3

HSS 260	Emergency Management Planning ²	3
Subtotal		15
Major Electives		
Select two of the following:		6
CSS 190	Experimental ²	
or CSS 290	Experimental	
or CSS 390	Experimental	
CSS 195	Workshop ²	
or CSS 295	Workshop	
or CSS 395	Workshop	
or CSS 495	Workshop	
CSS 198	Selected Topics ²	
or CSS 298	Selected Topics	
or CSS 398	Selected Topics	
or CSS 498	Selected Topics	
CSS 370	Fraud Law and Report Writing ²	
CSS 420	Fraud Examination ²	
CSS 450	Internship ²	
CSS 490	Independent Study ²	
HSS 210	Fundamentals of Terrorism ²	
HSS 300	Terrorist Organizations and Lone Wolves ²	
HSS 310	Weapons of Mass Destruction ²	
MIS 333	Introduction to Computer Forensics ¹	
Subtotal		6
Total Hours		60

¹ Course counts for 50% of Major but not Major GPA

² Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Internships
2. Job Shadowing
3. Security Studies Club
4. Project to End Human Trafficking Club
5. Security Studies Speaker's Series
6. Department of Homeland/Corporate Security Studies Field Trips and Spring Break Trips

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

CORPORATE SECURITY (5170)

Concentration in Organizational Security (ORGN)

This program is effective as of Fall 2019

Revised 09.19.2025

UCC 03.21.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
CSS 120	Introduction to Private Security	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
CSS 210	Physical Security	3
HSS 130	Principles of Emergency Management	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Free Elective		3
Hours		15
Second Year		
Fall		
CSS 240	Security Management	3
HSS 260	Emergency Management Planning	3
ACCT 209	Financial Accounting	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Free Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
CSS 352	Law & Ethics in the Workplace	3
HSS 350	Securing Virtual Infrastructure	3
SCI 101	Science of Life	3
Free Elective		6
Hours		15
Third Year		
Fall		
CSS 300	Personnel Security	3
CSS 351	Fraud	3
MIS 301	Practical Computer Security	3
SCI 102	Understanding the Physical World	3

Social Science Inquiry (p. 19)	3
Hours	15
Spring	
CSS 354 Risk Assessment and Fraud Prevention	3
CSS 430 Corporate Security Law	3
HSS 320 Protecting Infrastructure and Key Assets	3
Thematic Thread Requirement (p. 19)	6
Major Elective	3
Hours	18
Fourth Year	
Fall	
CSS 310 Organizational Continuity and Resilience	3
CSS 360 Specialized Fraud Schemes	3
CSS 440 Corporate Security Investigation	3
Major Elective	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
CSS 460 Corporate Security Capstone	3
Thematic Thread Requirement (p. 19)	3
Electives	6
Hours	12
Total Hours**	121

¹ The prerequisites for ENGL 205 are ENGL 102 & ENGL 104.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

¹ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

- CS Organizational Security Major requires 60 Credit Hours (36 Core + 9 General + 9 Culture + 6 Electives).
- The number of free electives will depend on Rock Studies 2 courses taken and/or Minor.
- The number of Rock Studies 2 courses will depend on how much overlap there is between major courses and Rock Studies 2 courses.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5170

Concentration Code: ORGN

Revised date: 09.23.2025

Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security/Advanced Piloting (CCBC)

Related Links

Corporate Security - Organizational Security/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-security-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Corporate Security, Bachelor of Science (BS) - Concentration in Organizational Security/Professional Pilot (CCBC)

Related Links

Corporate Security - Organizational Security/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-security-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Fraud, Certificate

The Fraud Certificate provides an overview of the severity of fraud in organizations and how to prevent, detect, and investigate fraud.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Fraud, Certificate Program Page (<https://www.sru.edu/academics/certificates/fraud-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

- These courses are regularly offered through fall, winter, spring and summer rotations that will ensure a 12 month completion period.

Code	Title	Hours
Required Courses		
CSS 120	Introduction to Private Security	3
CSS 351	Fraud	3
CSS 354	Risk Assessment and Fraud Prevention	3

CSS 360	Specialized Fraud Schemes	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN FRAUD (5FRD)

This program is effective as of Summer 2019

Revised 12-2018

Fraud, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

The Fraud minor provides instruction to students about the various components of internal controls, the types of security breaches organizations encounter, and the uniqueness of fraud in any organization. Students will also learn about the different types of fraud, and the principles of fraud prevention, detection, and how to assess for fraud.

This minor will be of great benefit to any majors. All industries and organizations are susceptible to fraud, and the minor will be relevant to most careers in management, compliance, accounting, security, and administration. Moreover, the Fraud minor introduces students to the knowledge requirements needed to become Certified Fraud Examiners.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses number 300 and above)
- A minor shall be no fewer than 18 credits.
- Students graduating in December 2015 and thereafter may only use 6 credits from their academic major towards the completion of an academic adviser.

Code	Title	Hours
Core Requirements		
CSS 120	Introduction to Private Security	3
CSS 351	Fraud	3
CSS 354	Risk Assessment and Fraud Prevention	3
CSS 360	Specialized Fraud Schemes	3
Electives		
Select two of the following:		6
CSS 210	Physical Security	
CSS 300	Personnel Security	
CSS 430	Corporate Security Law	
CSS 440	Corporate Security Investigation	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN FRAUD (80F)

This program is effective as of Summer 2019

Revised 8-2019

Homeland Security, Bachelor of Science (BS)

PROGRAM LEARNING OUTCOMES

- **Critical Thinking and Problem Solving in Homeland Security:** Students will be able to identify complex homeland security issues; gather, analyze, and evaluate pertinent information; in order to make decisions to prevent, mitigate, resolve, and recover from man-made, technological, and natural disasters. UO 2
- **Professional Proficiency in Homeland Security:** Students will acquire the knowledge, skills, abilities, and current field-based best practices demanded by the homeland security profession. UO 5
- **Law and Ethics in Homeland Security:** Students will be able to recognize legal and ethical issues confronting homeland security professionals, apply and follow the appropriate laws, and recognize the consequences and impact of their actions on other stakeholders. UO 8
- **Professionally Communicate in Homeland Security Contexts:** Students will develop the skills and knowledge to communicate effectively in homeland security settings. This will, among other relevant things, involve learning how to communicate about how to protect infrastructure and key assets and develop

intelligence products. This also entails the development and implementation of plans, particularly ones related to preventing, mitigating, and/or recovering from man-made, technological, and natural disasters. UO 5

Related Links

Homeland Security, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/homeland-security/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		60
Electives		18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ² 12

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required		
CSS 210	Physical Security ¹	3
CSS 300	Personnel Security ¹	3
CSS 351	Fraud ¹	3
CSS 352	Law & Ethics in the Workplace ¹	3
CSS 354	Risk Assessment and Fraud Prevention ¹	3
Subtotal		15
Major Core Courses		
HSS 120	Introduction to Homeland Security ¹	3
HSS 130	Principles of Emergency Management ¹	3
HSS 210	Fundamentals of Terrorism ¹	3
HSS 230	Risk Analysis and Strategic Planning ¹	3
HSS 260	Emergency Management Planning ¹	3
HSS 300	Terrorist Organizations and Lone Wolves ¹	3
HSS 310	Weapons of Mass Destruction ¹	3
HSS 320	Protecting Infrastructure and Key Assets ¹	3
HSS 330	Intelligence Operations ¹	3
HSS 340	Intelligence for Homeland Security ¹	3
HSS 350	Securing Virtual Infrastructure ¹	3
HSS 441	Terrorism, Law and National Security ¹	3

Subtotal		36
HSS 460	Capstone in Homeland Security	3-9
or HSS 450	Internship HS	
Major Electives		
Select two of the following:		6
HSS 190	Experimental ¹	
or HSS 290	Experimental	
or HSS 390	Experimental	
HSS 195	Workshop ¹	
or HSS 295	Workshop	
or HSS 395	Workshop	
or HSS 495	Workshop	
HSS 198	Selected Topics ¹	
or HSS 298	Selected Topics	
or HSS 398	Selected Topics	
or HSS 498	Selected Topics	
HSS 250	Managing Natural, Man-Made and Technological Disasters ¹	
HSS 360	Social Dimensions of Disaster ¹	
HSS 370	Research in Disasters and Emergency Management ¹	
HSS 380	Crisis & Emergency Risk Communication ¹	
HSS 450	Internship HS ¹	
HSS 490	Independent Study ¹	
CSS 240	Security Management ¹	
CSS 360	Specialized Fraud Schemes ¹	
CSS 370	Fraud Law and Report Writing ¹	
CSS 420	Fraud Examination ¹	
CSS 430	Corporate Security Law ¹	
CSS 440	Corporate Security Investigation ¹	
MLSC 302	Advanced Military Skills ²	
MLSC 401	Leadership Dimensions and Concepts ²	
Subtotal		9-15
Total Hours		60-66

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major but not Major GPA

³ The number of language credits earned above will determine the number of credits needed in this section.

⁴ See adviser for guidance, also refer to your MyRock Audit

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Internships
2. Job Shadowing
3. Security Studies Club
4. Project to End Human Trafficking Club

5. Security Studies Speaker's Series

6. Department of Homeland/Corporate Security Studies Field Trips and Spring Break Trips

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HOMELAND SECURITY (BS) (51HS)

This program is effective as of Summer 2025

Revised 09.18.2025

UCC 02.25.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HSS 120	Introduction to Homeland Security	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar [*]	1
SUBJ 139	Foundations of Academic Discovery ³	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
HSS 130	Principles of Emergency Management	3
HSS 210	Fundamentals of Terrorism	3
CSS 210	Physical Security	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
HSS 230	Risk Analysis and Strategic Planning	3
HSS 260	Emergency Management Planning	3
SCI 101	Science of Life	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Free Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
CSS 352	Law & Ethics in the Workplace	3
HSS 350	Securing Virtual Infrastructure	3

SCI 102	Understanding the Physical World	3
Free Elective		6
Hours		15
Third Year		
Fall		
CSS 300	Personnel Security	3
CSS 351	Fraud	3
HSS 300	Terrorist Organizations and Lone Wolves	3
Thematic Thread Requirement (p. 19)		3
Hours		12
Spring		
HSS 310	Weapons of Mass Destruction	3
HSS 320	Protecting Infrastructure and Key Assets	3
HSS 330	Intelligence Operations	3
CSS 354	Risk Assessment and Fraud Prevention	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		18
Fourth Year		
Fall		
HSS 340	Intelligence for Homeland Security	3
HSS 441	Terrorism, Law and National Security	3
Major Elective		3
Thematic Thread Requirement (p. 19)		3
Free Elective		3
Hours		15
Spring		
HSS 460	Capstone in Homeland Security	3
Thematic Thread Requirement (p. 19)		3
Major Elective		3
Elective		6
Hours		15
Total Hours**		121

¹ The prerequisites for ENGL 205 are ENGL 102 & ENGL 104.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Course offered in multiple subjects; cannot take course in first major subject.

* Course offered in multiple subjects; cannot take course in first major subject.

- HS Organizational Security Major requires 60 Credit Hours (36 Core + 9 General + 9 Culture + 6 Electives).
- The number of free electives will depend on Liberal Studies (LS) courses taken and/or Minor.
- The number of LS courses will depend on how much overlap there is between major courses and LS courses.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 51HS

Revised date: 09.23.2025

Homeland Security, Bachelor of Science (BS)/Advanced Piloting (CCBC)

Related Links

Homeland Security/Advanced Piloting, BS Program Page (<https://www.sru.edu/programs/undergrad-security-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Homeland Security, Bachelor of science (BS)/Professional Pilot (CCBC)

Related Links

Homeland Security/Professional Pilot, BS Program Page (<https://www.sru.edu/programs/undergrad-security-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Homeland Security, Certificate

The Homeland Security Certificate provides the basic foundation about the scope of homeland security, the fundamentals of terrorism, risk analysis, and protecting infrastructure and key assets.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Homeland Security, Certificate Program Page (<https://www.sru.edu/academics/certificates/homeland-security-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

- These courses are regularly offered through fall, winter, spring and summer rotations that will ensure a 12 month completion period.

Code	Title	Hours
Required Courses		
CSS 300	Personnel Security	3
HSS 120	Introduction to Homeland Security	3
HSS 210	Fundamentals of Terrorism	3

HSS 230	Risk Analysis and Strategic Planning	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN HOMELAND SECURITY (5HOM)

This program is effective as of Summer 2019

Revised 10-2019

Homeland Security, Minor

The Homeland Security minor provided a study of the skills needed to analyze and minimize threats from man-made and natural disasters. The curriculum discusses the foundations of homeland security, terrorism, assessing and analyzing risks, how to protect infrastructure and key assets, and the basics of emergency management.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses number 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Core Requirements		
HSS 120	Introduction to Homeland Security	3
HSS 130	Principles of Emergency Management	3
HSS 210	Fundamentals of Terrorism	3
HSS 230	Risk Analysis and Strategic Planning	3
Electives		
Select two of the following:		6
CSS 300	Personnel Security	

CSS 351	Fraud	
HSS 300	Terrorist Organizations and Lone Wolves	
HSS 310	Weapons of Mass Destruction	
HSS 320	Protecting Infrastructure and Key Assets	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN HOMELAND SECURITY (80G)

This program is effective as of Fall 2020

Revised 08.20.20

UCC 04.21.20

Organizational Security, Certificate

The Organizational Security certificate designed to enhance student's skills to protect people, property, information, and assets in an organization.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Organizational Behavior, Certificate Program Page (<https://www.sru.edu/academics/certificates/organizational-security-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

- These courses are regularly offered through fall, winter, spring and summer rotations that will ensure a 12-month completion period.

Code	Title	Hours
Required Courses		
CSS 120	Introduction to Private Security	3
CSS 210	Physical Security	3
CSS 300	Personnel Security	3

CSS 351	Fraud	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN ORGANIZATIONAL SECURITY (50RG)

This program is effective as of Summer 2019

Revised 12-2018

Organizational Security, Minor

Security issues arise due to crime, man-made disasters, natural disasters, and emergencies and/or accidents which impairs an organization. This minor provides coursework to analyze an organization's security needs to find creative solutions to solve complex security issues.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses number 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Requirements		
CSS 120	Introduction to Private Security	3
CSS 210	Physical Security	3
CSS 300	Personnel Security	3
CSS 351	Fraud	3
Electives		
Select two of the following:		6
CSS 240	Security Management	
CSS 430	Corporate Security Law	

CSS 440	Corporate Security Investigation	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ORGANIZATIONAL SECURITY (80H)

Effective Summer 2019

Revised 8.2019

Mathematics and Statistics

Programs

Majors

- Mathematics, Bachelor of Science (BS) - Concentration in Actuarial Science (p. 373)
- Mathematics, Bachelor of Science (BS) - Concentration in Mathematical Science (p. 375)
- Mathematics, Bachelor of Science (BS) - Concentration in Secondary Education (p. 377)
- Mathematics, Bachelor of Science (BS) - Concentration in Statistics (p. 379)

Minors

- Actuarial Science, Minor (p. 371)
- Elementary School Mathematics, Minor (p. 372)
- Mathematics, Minor (p. 381)
- Middle School Mathematics, Minor (p. 381)
- Secondary School Mathematics, Minor (p. 382)
- Statistics, Minor (p. 383)

Actuarial Science, Minor

Actuaries use mathematics, statistics, predictive analytics, finance, and economics to predict the occurrence of uncertain events and their financial impact to minimize risk in business, finance, government, insurance, retirement planning, etc. Actuarial careers are always listed among the top ten jobs in the world based on salary, work/life balance, low levels of stress, and lateral and upward mobility. It is one of the most clearly defined career paths for mathematicians. The advanced training actuaries acquire in predictive analytics enables them to make important contributions to many fields including sports analytics. The Actuarial Science Minor (<https://www.sru.edu/academics/majors-and-minors/actuarial-studies-minor/>) provides the coursework to prepare students for

up to five actuarial exams and Validation by Educational Experience (VEE) credit in all three areas approved by the Society of Actuaries.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- Students enrolled in both the Minor in Actuarial Science and Minor in Statistics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- Mathematics majors must choose at least 15 credit hours in this minor distinct from those being counted toward the major.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Note: VEE Credit – complete requirements for Society of Actuaries VEE credit in at least two areas. Students must earn a 'B' or better in each course in the VEE areas in order to earn the credit.
- VEE Areas:
 - Mathematical Statistics: STAT 352 and STAT 353
 - Accounting and Finance: FINA 320 and ACCT 209
 - Economics: ECON 201/ECON 202 sequence or ECON 301/ECON 302 sequence

Code	Title	Hours
Required Courses for Minor in Actuarial Studies		
MATH 280	Theory of Interest	3
STAT 352	Mathematical Statistics I	3
STAT 353	Mathematical Statistics II	3
Required Courses for Non-Mathematics Majors		
Math majors may not count these course in the Actuarial Studies Minor		
MATH 225	Calculus I	4
MATH 230	Calculus II	4
Electives		
Select courses from below to reach 24 credits total for this minor:		7-15
1		
ACCT 209	Financial Accounting	
ACCT 210	Managerial Accounting	
CPSC 323	Fundamentals of Database Systems	
CPSC 358	Simulation	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
ECON 301	Macroeconomic Analysis	
ECON 302	Microeconomic Analysis	
ECON 312	Critical Choices in Health Care Policy	
ECON 318	Introduction to Econometrics	

ENGL 205	Introduction to Professional Writing
FINA 320	Managerial Finance
FINA 321	Investments
FINA 323	Financial Markets and Institutions
FINA 326	Intermediate Corporate Finance
FINA 329	Principles of Insurance
MATH 231	Calculus III
MATH 311	Deterministic Models of Operations Research
MATH 315	Numerical Mathematics
MATH 335	Mathematical Modeling
MATH 482	
MATH 484	
STAT 252	Introduction to Statistical Modeling
STAT 254	Nonparametric Statistics
STAT 256	Statistical Computing
STAT 354	Fundamentals of Loss Models
STAT 363	Statistical Learning

Total Hours 24

- 1
- ACCT 209, ACCT 210, ECON 201, ECON 202 may not be used by students from the School of Business
 - MATH 231 may not be used by Math majors
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Actuarial Science (52H)

This program is effective as of Fall 2021

Revised 09.19.2025

UCC 10.13.2020

Elementary School Mathematics, Minor

SRU's minor in Elementary School Mathematics is a strong add-on for degrees in Early Childhood Education or Special Education. Three of the required courses are already part of those majors, setting many students up to finish this minor with just 4 further courses. This focused math credential can help a teacher's job application to stand out among the competition: it highlights flexibility, reliability, and potential for greater creativity and depth in teaching math to children.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- Students enrolled in both the Minor in Middle School Mathematics and the Minor in Elementary School Mathematics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- ELEC 340 has an off-campus field component and requires appropriate teacher clearances. Contact the instructor before enrolling in ELEC 340.

Code	Title	Hours
Required Mathematics Courses		
MATH 118	Elementary Geometry	3
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers	3
Additional Courses		
Select three courses of the following:		9
MATH 113	Mathematics as a Liberal Art	
MATH 117	Quantitative Reasoning	
MATH 122	Finite Mathematics with Matrices	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics	
STAT 124	Introduction to Survey Methods	
STAT 152	Elementary Statistics I	
STAT 252	Introduction to Statistical Modeling	
STAT 318	Statistical Study Design	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Elementary School Math (52B)

This program is effective as of Summer 2022

Revised 04.21.2022

UCC 02.15.2022

Mathematics, Bachelor of Science (BS) - Concentration in Actuarial Science

Program Learning Outcomes

- Students graduating with a degree in Mathematics will:
 - Use mathematics knowledge to solve theoretical and applied problems. (UGO 2,3,4,6)
 - Apply rigorous deductive reasoning to prove mathematics results. (UGO 2,3)
 - Use technology to perform and interpret mathematics analyses. (UGO 3,4,10)
 - Communicate mathematics knowledge to both expert and non-technical audiences. (UGO 1,4,5)
 - Demonstrate professional integrity and accountability in the use and communication of mathematics. (UGO 7,8,9,10)

Related Links

Mathematics, Concentration in Actuarial Science, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/mathematics-actuarial-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Basic Math Requirement	0-3
	Major Requirements	60
	Natural Science & Math College-Wide Requirements not included in Rock Studies 2	4
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- 12 math/statistics credits must be taken at the 300-400 level at SRU

Code	Title	Hours
Mathematics Core Courses		
MATH 131	Discrete Mathematics ^{1,2}	3
MATH 230	Calculus II ^{1,2}	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 235	Foundations of Mathematical Proof ^{1,2}	3
MATH 313	Introductory Analysis I ¹	3
STAT 352	Mathematical Statistics I ¹	3
Subtotal		23
Actuarial Science Concentration Required Courses		
MATH 280	Theory of Interest ¹	3
MATH 301	Differential Equations I ¹	3
STAT 252	Introduction to Statistical Modeling ¹	3
STAT 353	Mathematical Statistics II ¹	3
MATH 314	Introductory Analysis II ¹	3
STAT 491	Statistics Seminar ¹	1
or MATH 491	Mathematics Seminar	
Subtotal		16
Required Upper-Level MATH/STAT Electives		
Choose 9 additional MATH or STAT credits at the 300-level or above, excluding MATH 310 and STAT 350 ¹		9
Required Concentration Electives		
Choose 12 additional credits (at least 6 credits at 300-level or higher) from the following list, including at least one of the three VEE tracks ACCT 209/FIN320, ECON201/ECON202, or ECON301/ECON302. Students must earn a B or better in courses used for VEE credit.		12
ACCT 209	Financial Accounting	
ACCT 210	Managerial Accounting	
CPSC 323	Fundamentals of Database Systems	
CPSC 405	Data Mining and Data Analysis	
ECON 201	Principles of Macroeconomics	
ECON 202	Principles of Microeconomics	
ECON 301	Macroeconomic Analysis	
ECON 302	Microeconomic Analysis	
ECON 312	Critical Choices in Health Care Policy	
FINA 320	Managerial Finance	
FINA 321	Investments	
FINA 323	Financial Markets and Institutions	
FINA 326	Intermediate Corporate Finance	
FINA 329	Principles of Insurance	
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Minimum grade of C required to register for 300-400 level math

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Computer Programming Language

Code	Title	Hours
Competency in an approved Computer Programming Language is Required - See Advisor Approval		
CPSC		

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MATHEMATICS BS/ACTUARIAL SCI (6152/ACSC)

This program is effective as of Summer 2023

Revised 09.19.2025

UCC 02.14.2023

Mathematics, Bachelor of Science (BS) - Concentration in Mathematical Science

Program Learning Outcomes

- Students graduating with a degree in Mathematics will:
 - Use mathematics knowledge to solve theoretical and applied problems. (UGO 2,3,4,6)
 - Apply rigorous deductive reasoning to prove mathematics results. (UGO 2,3)
 - Use technology to perform and interpret mathematics analyses. (UGO 3,4,10)
 - Communicate mathematics knowledge to both expert and non-technical audiences. (UGO 1,4,5)
 - Demonstrate professional integrity and accountability in the use and communication of mathematics. (UGO 7,8,9,10)

Related Links

Mathematics, Concentration in Mathematical Science, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/mathematics-mathematical-sciences/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		44
Basic Math Requirement		0-3
Major Requirements		48
Natural Science & Math College-Wide Requirements not included in Rock Studies 2		4
Electives		24

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	44

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 24 major credits must be taken at SRU or PASSHE
- 24 major credits must be taken at the 300 level or above
- 12 math/statistics credits must be taken at the 300-400 level at SRU

Code	Title	Hours
Mathematics Core Courses		
MATH 131	Discrete Mathematics ^{1,2}	3
MATH 230	Calculus II ^{1,2}	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 235	Foundations of Mathematical Proof ^{1,2}	3
MATH 313	Introductory Analysis I ¹	3
STAT 352	Mathematical Statistics I ¹	3
Subtotal		23
Required Mathematical Science Concentration Courses		
MATH 301	Differential Equations I ¹	3
MATH 325	Abstract Algebra I ¹	3
MATH 314	Introductory Analysis II ¹	3
or MATH 326	Abstract Algebra II	
MATH 491	Mathematics Seminar ¹	1
Subtotal		10
Required Upper-Level MATH/STAT Electives		
Choose 15 additional credits of MATH or STAT courses 200-level or above (at least 12 credits 300-level or above), excluding MATH 210, MATH 225, MATH 310 and STAT 350. ¹		15

Subtotal	15
Total Hours	48

- ¹ Course counts for 50% of Major requirements and Major GPA
- ² Minimum grade of C required to register for 300-400 level math
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Computer Programming Language

Code	Title	Hours
Competency in an approved Computer Programming Language is Required - See Advisor Approval		
CPSC		

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MATHEMATICS BS/MATHEMATICL SCI (6152/MASC)

This program is effective as of Summer 2023

Revised 09.19.2025

UCC 02.14.2023

RECOMMENDED FOUR-YEAR PLAN		
Course	Title	Hours
First Year		
Fall		
MATH 225	Calculus I	4
STAT 152	Elementary Statistics I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar	1
SUBJ 139	Foundations of Academic Discovery	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
MATH 131	Discrete Mathematics	3
MATH 230	Calculus II	4
CPSC 146	Programming Principles	3

ENGL 102	Critical Writing	3
Humanities Inquiry (p. 19)		3
Hours		16

Second Year**Fall**

MATH 231	Calculus III	4
MATH 235	Foundations of Mathematical Proof	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Elective with DEI attribute		3
Declare a Thematic Thread		
Hours		16

Spring

MATH 232	Linear Algebra	3
MATH 301	Differential Equations I	3
PHYS 216	University Physics 1 with Lab	4
Thematic Thread Requirement (p. 19)		3
Hours		13

Third Year**Fall**

MATH/STAT 300+	MATH/STAT Elective	3
MATH 313	Introductory Analysis I	3
STAT 352	Mathematical Statistics I	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Thematic Thread Requirement (p. 19)		3
Hours		16

Spring

Select one of the following:		3
MATH 314	Introductory Analysis II	
MATH/STAT	MATH/STAT Elective	
MATH 325	Abstract Algebra I	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15

Fourth Year**Fall**

MATH/STAT 300+	MATH/STAT Elective	3
Select one of the following:		3
MATH 326	Abstract Algebra II	
MATH/STAT 300+	MATH/STAT Elective	
Elective		3
Elective		3
Elective		3
Hours		15

Spring

MATH/STAT 300+	MATH/STAT Elective	3
MATH/STAT 300+	MATH/STAT Elective	3

MATH 491	Mathematics Seminar	1
Elective		3
Elective		3
Hours		13
Total Hours**		121

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Mathematics BS (6152)
Concentration in Mathematical Science (MASC)
Revised date: 09.23.2025

Mathematics, Bachelor of Science (BS) - Concentration in Secondary Education

Program Learning Outcomes

- Students graduating with a degree in Mathematics will:
 - Use mathematics knowledge to solve theoretical and applied problems. (UGO 2,3,4,6)
 - Apply rigorous deductive reasoning to prove mathematics results. (UGO 2,3)
 - Use technology to perform and interpret mathematics analyses. (UGO 3,4,10)
 - Communicate mathematics knowledge to both expert and non-technical audiences. (UGO 1,4,5)
 - Demonstrate professional integrity and accountability in the use and communication of mathematics. (UGO 7,8,9,10)

Related Links

Mathematics, Concentration in Secondary Education, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/mathematics-secondary-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Basic Math Requirement	0-3
	Major Requirements	60
	Natural Science & Math College-Wide Requirements not included in Rock Studies 2	4
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
Physical Sciences Inquiry		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- 12 math/statistics credits must be taken at the 300-400 level at SRU

Code	Title	Hours
Mathematics Core Courses		
MATH 131	Discrete Mathematics ^{1,2}	3
MATH 230	Calculus II ^{1,2}	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 235	Foundations of Mathematical Proof ^{1,2}	3
MATH 313	Introductory Analysis I ¹	3
STAT 352	Mathematical Statistics I ¹	3
Subtotal		23
Secondary Education Required Courses		
MATH 301	Differential Equations I ¹	3
MATH 304	Geometric Structures ¹	3
MATH 320	Theory of Numbers ¹	3
MATH 325	Abstract Algebra I ¹	3
MATH 314	Introductory Analysis II ¹	3
or MATH 326	Abstract Algebra II	
MATH 491	Mathematics Seminar ¹	1
SPED 121	Overview of Special Education	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Subtotal		22

Required Upper-Level MATH/STAT Courses	
Choose 6 additional MATH or STAT credits (at least 3 credits at the 300-level or above), excluding MATH 210, MATH 225, MATH 310 and STAT 350. ¹	6

Required Concentration Courses	
Choose 9 additional credits (at least 3 credits at the 300-400 level) from:	9

STAT 124	Introduction to Survey Methods
SEFE 200	Introduction to Education, Teaching Methods and Field
SEFE 230	Production and Utilization of Instructional Technology
SEFE 245	Middle Level Learning Theory
SEFE 250	Pre, Early, & Adolescent Development
SEFE 300	Middle Level Cognitive Development
SEFE 311	Teaching of Mathematics in the Middle School
SEFE 326	ELL Strategies and Practice

SEFE 342	Educational Psychology for Diverse Learners	
SEFE 370	Educational Measurements, Assessment and Evaluation	
SEFE 380	History and Philosophy of Education	
PHIL 313	Symbolic Logic	
PHIL 351	Philosophy of Natural Science	
Subtotal		15
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Minimum grade of C required to register for 300-400 level math

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Computer Programming Language

Code	Title	Hours
Competency in an approved Computer Programming Language is Required - See Advisor Approval		
CPSC		

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MATHEMATICS BS/SECONDARY EDUC (6152/SEED)

This program is effective as of Summer 2023

Revised 9.19.2025

UCC 02.14.2023

Mathematics, Bachelor of Science (BS) - Concentration in Statistics

Program Learning Outcomes

- Students graduating with a degree in Mathematics will:
 - Use mathematics knowledge to solve theoretical and applied problems. (UGO 2,3,4,6)

- Apply rigorous deductive reasoning to prove mathematics results. (UGO 2,3)
- Use technology to perform and interpret mathematics analyses. (UGO 3,4,10)
- Communicate mathematics knowledge to both expert and non-technical audiences. (UGO 1,4,5)
- Demonstrate professional integrity and accountability in the use and communication of mathematics. (UGO 7,8,9,10)

Related Links

Mathematics, Concentration in Statistics, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/mathematics/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Basic Math Requirement	0-3
	Major Requirements	60
	Natural Science & Math College-Wide Requirements not included in Rock Studies 2	4
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Natural Sciences Inquiry		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Physical Sciences Inquiry		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- 12 math/statistics credits must be taken at the 300-400 level at SRU

Code	Title	Hours
Mathematics Core Courses		
MATH 131	Discrete Mathematics ^{1,2}	3
MATH 230	Calculus II ^{1,2}	4
MATH 235	Foundations of Mathematical Proof ^{1,2}	3
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 313	Introductory Analysis I ¹	3
STAT 352	Mathematical Statistics I ¹	3
Subtotal		23
Statistics Concentration Courses		
MATH 314	Introductory Analysis II ¹	3
STAT 252	Introduction to Statistical Modeling ¹	3
STAT 256	Statistical Computing ¹	3

STAT 353	Mathematical Statistics II ¹	3
STAT 363	Statistical Learning ¹	3
STAT 491 or MATH 491	Statistics Seminar ¹ Mathematics Seminar	1
Subtotal		16
Required Upper-level STAT Electives AND Concentration Electives		
Choose 21 credits from the list below		21
Any Additional MATH or STAT Courses 300/400 Level EXCEPT MATH 310 or STAT 350 ¹		
CPSC 323	Fundamentals of Database Systems	
CPSC 405	Data Mining and Data Analysis	
CPSC 480	Topics in Computer Science: Machine Learning	
HLTH 313	Biostatistics	
PSYC 421	Advanced Behavioral Statistics	
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Minimum grade of C required to register for 300-400 level math

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

Computer Programming Language

Code	Title	Hours
Competency in an approved Computer Programming Language is Required - See Advisor Approval		
CPSC		

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MATHEMATICS BS/STATISTICS (6152/STAT)
This program is effective as of Summer 2023
Revised 09.19.2025
UCC 02.14.2023

Mathematics, Minor

Mathematics has often been referred to as the “language of the sciences” because of the fundamental way in which the sciences depend on it. In modern society, its applications extend well beyond the sciences to many diverse fields including engineering, finance, economics, supply chain management, sports analytics, statistics, and data science. The Mathematics Minor prepares students for the mathematical rigors of these fields. It also provides outstanding preparation for anyone planning to attend many graduate programs including engineering, finance, economics, and data science.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- Students enrolled in both the Minor in Mathematics and the Minor in Statistics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Mathematics Courses		
MATH 225	Calculus I	4
MATH 230	Calculus II	4
MATH 231	Calculus III	4
Additional Courses		
Select three of the following:		9
MATH 131	Discrete Mathematics	
MATH 232	Linear Algebra ¹	
or MATH 240	Linear Algebra and Differential Equations	
MATH 235	Foundations of Mathematical Proof	
MATH 301	Differential Equations I	
MATH 302	Differential Equations II	
MATH 304	Geometric Structures	
MATH 311	Deterministic Models of Operations Research	
MATH 312	Stochastic Models of Operations Research	
MATH 313	Introductory Analysis I	
MATH 314	Introductory Analysis II	
MATH 315	Numerical Mathematics	
MATH 317	Complex Variables	
MATH 320	Theory of Numbers	
MATH 325	Abstract Algebra I	
MATH 326	Abstract Algebra II	

MATH 331	Mathematical Methods of Physics and Engineering ²
MATH 335	Mathematical Modeling
MATH 411	Partial Differential Equations
STAT 350	Applied Statistics
STAT 352	Mathematical Statistics I
STAT 353	Mathematical Statistics II
Total Hours	21

¹ Indicates that students may count at most one of MATH 240 or MATH 232 in this minor.

² In all students' programs, MATH 331 may be counted as a mathematics course or as a physics course, but not both.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Mathematics (52A)

This program is effective as of Fall 2022

Revised 05.31.2023

UCC 10.05.2021

Middle School Mathematics, Minor

SRU's minor in Middle School Mathematics is a useful add-on for students planning to teach secondary math, or non-math subjects in middle school. Future secondary teachers gain deeper insight into teaching students at the younger end of their Grades 7-12 certification, and future middle school teachers in English, Social Studies, or Science can enhance their ability to handle a dual-subject assignment with just 3-4 extra courses beyond what their major already requires. This additional credential can help a teacher's job application to stand out among the competition: it highlights flexibility, reliability, and potential for greater creativity and depth in teaching math.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 or higher Minor GPA

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU
- A minimum of 6 credit hours must be upper division (coursed numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Students majoring in Middle Level Education: Mathematics (in the Department of Secondary Education/Foundations of Education) may NOT declare this minor.
- Middle Level Education majors (in the Department of Secondary Education/Foundations of Education) CANNOT apply SEFE 200 to the Middle School Mathematics Minor.
- Students enrolled in both the Minor in Middle School Mathematics and the Minor in Elementary School Mathematics must complete at least 9 credits in each of these minors that are NOT being counted in the other.

Code	Title	Hours
Required Mathematics Courses		
Select one of the following:		3
MATH 118	Elementary Geometry	
MATH 304	Geometric Structures ¹	
MATH 210	Mathematics for Elementary Teachers I	3
MATH 310	Mathematics for Elementary Teachers II	3
Select one of the following:		3
SEFE 311	Teaching of Mathematics in the Middle School	
ELEC 340	Mathematics Methods and Strategies for PRE K - 4 Teachers ²	
Additional Courses		
Select three of the following:		9-12
MATH 113	Mathematics as a Liberal Art	
MATH 117	Quantitative Reasoning	
MATH 122	Finite Mathematics with Matrices	
MATH 125	Precalculus	
MATH 131	Discrete Mathematics ¹	
MATH 225	Calculus I ¹	
MATH 230	Calculus II ¹	
MATH 231	Calculus III ¹	
MATH 232	Linear Algebra ¹	
MATH 235	Foundations of Mathematical Proof ¹	
MATH 240	Linear Algebra and Differential Equations ¹	
MATH 320	Theory of Numbers ¹	
SEFE 200	Introduction to Education, Teaching Methods and Field	
STAT 124	Introduction to Survey Methods	
STAT 152	Elementary Statistics I	
STAT 252	Introduction to Statistical Modeling	
STAT 318	Statistical Study Design	
Total Hours		21-24

¹ May not be used by Mathematics majors as courses that count toward the Middle School Mathematics minor.

² ELEC 340 has an off-campus field component and requires appropriate teacher clearances. Contact the instructor before enrolling in ELEC 340

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Middle School Math (52C)

This program is effective as of Summer 2022

Revised 04.21.2022

UCC 08.18.2022

Secondary School Mathematics, Minor

The high school mathematics curriculum covers a wide range of content including algebra, geometry, trigonometry, calculus, and statistics. Secondary school mathematics minors not only learn these topics at a fundamental level, but they also learn how to effectively communicate these concepts to students at a grade appropriate level. Most students completing the secondary school mathematics minor go on to get their permanent teaching certification and work as high school math teachers. Additionally, some students choose to work with math tutoring centers, math summer camps, accelerated math programs, and/or science museums.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 or higher Minor GPA

Minor Requirements

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- At least 9 credit hours of MATH/STAT courses used for the minor must be taken at Slippery Rock University.
- Middle Level Education majors (in the Department of Secondary Education/Foundations of Education) CANNOT apply SEFE 200 to the Secondary School Mathematics Minor.
- A minor shall be no fewer than 18 credits.
- BS-Mathematics majors must choose at least 15 credits distinct from those being counted toward major.

- Students minoring in both Mathematics and Second School Mathematics must complete 9 credits in each minor that are not applied to the other minor.

This program is effective as of Summer 2022

Revised 04.22.2022

UCC 02.15.2022

Statistics, Minor

Statisticians specialize in the collection, organization, presentation, and analysis of data. They work with professionals from a variety of fields to leverage data to inform almost every aspect of society and life: business practice, scientific research, finance, and public policy, among other areas. In 2022, "Statistician" is one of the top three jobs in the world based on income, stress level, quality of life, and growth potential, and the field has a projected growth of 35% (careercast.com)!

The Department of Mathematics and Statistics minor in statistics will give you both a good theoretical grounding in statistics as well as a broad understanding of applied statistics through project-based coursework. You will learn multiple computer-based platforms for completing statistical tasks, including Microsoft Excel, R, SAS, and Python. We will provide you with ample opportunities to work on research projects, and we will encourage you to present your research at SRU's undergraduate symposium and at professional conferences. Because of the amount of experience our students gain working with different statistical software packages, completing analysis projects, and engaging in research, our students are sought after both for internships while they are completing their undergraduate studies and entry-level positions for statistics and data science.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 9 credit hours of MATH/STAT in their minor from SRU.
- Students enrolled in both the Minor in Mathematics and the Minor in Statistics must complete at least 9 credits in each of these minors that are NOT being counted in the other.
- Students enrolled in both the Minor in Actuarial Science and the Minor in Statistics must complete at least 9 credits in each these minors that are NOT being counted in the other.
- Mathematics majors must choose at least 15 credit hours in this minor distinct from those being counted toward the major.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
STAT 152	Elementary Statistics I	3
STAT 252	Introduction to Statistical Modeling	3
STAT 256	Statistical Computing	3
STAT 352	Mathematical Statistics I	3

Code	Title	Hours
Required Mathematics Courses		
MATH 235	Foundations of Mathematical Proof	3
MATH 304	Geometric Structures	3
MATH 320	Theory of Numbers	3
SPED 121	Overview of Special Education	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom	3
Additional Courses		
Select three of the following:		9
MATH 230	Calculus II ¹	
MATH 231	Calculus III ¹	
STAT 124	Introduction to Survey Methods	
STAT 252	Introduction to Statistical Modeling	
STAT 318	Statistical Study Design	
SEFE 200	Introduction to Education, Teaching Methods and Field	
SEFE 230	Production and Utilization of Instructional Technology	
SEFE 245	Middle Level Learning Theory	
SEFE 250	Pre, Early, & Adolescent Development	
SEFE 300	Middle Level Cognitive Development	
SEFE 311	Teaching of Mathematics in the Middle School	
SEFE 326	ELL Strategies and Practice	
SEFE 342	Educational Psychology for Diverse Learners	
SEFE 370	Educational Measurements, Assessment and Evaluation	
SEFE 380	History and Philosophy of Education	
PHIL 313	Symbolic Logic	
PHIL 351	Philosophy of Natural Science	
Total Hours		24

¹ Course may not be used by Mathematics majors

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Secondary Mathematics (52G)

STAT 353	Mathematical Statistics II	3
Required Courses for Non-Mathematics Majors		
Mathematics majors may not count these courses in the Minor in Statistics:		
MATH 225	Calculus I	
MATH 230	Calculus II	
Electives		
Select courses of the following to reach 24 credits total for this minor.*		3-9
BIOL 325	Biostatistics and Experimental Design with Lab	
CPSC 323	Fundamentals of Database Systems	
CPSC 405	Data Mining and Data Analysis	
CPSC 480	Topics in Computer Science: Machine Learning	
ECON 318	Introduction to Econometrics	
HLTH 313	Biostatistics	
HLTH 322	Public Health Research Methods and Data Management	
MATH 231	Calculus III	
STAT 318	Statistical Study Design	
STAT 354	Fundamentals of Loss Models	
STAT 363	Statistical Learning	
STAT 372	Forecasting & Time Series	
STAT 373	Statistical Quality Control	
PSYC 421	Advanced Behavioral Statistics	
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Statistics (52D)

This program is effective as of Summer 2022

Revised 07.08.2025

UCC 02.15.2022

Parks and Resource Management

Programs

Majors

- Park & Resource Management, Bachelor of Science (BS) (p. 385)

Minors

- Environmental Communication and Heritage Interpretation, Minor (p. 384)

Environmental Communication and Heritage Interpretation, Minor

This minor will provide students with an interdisciplinary understanding of cultural and natural resource communication and interpretation. Students will apply concepts from the fields of history, ecology, human dimensions of natural resources (including psychological, sociological, political, cultural and economic aspects), environmental education, environmental communication, adventure-based outdoor pursuits, interpretation and land management. Completing the minor will also enable students to achieve a nationally recognized certification as a Certified Interpretive Guide.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Core Courses		
COMM 231	Principles of Integrated Marketing Communication & Public Relations	3
COMM 204	Environmental Communication	3
or PCRM 204	Environmental Communication	
PCRM 347	Interpretive Methods and Programming	3
Strategies Electives		
Select two of the following, one must be COMM:		6
COMM 248	Interactive Multimedia 1	
COMM 254	Video Production	
COMM 307	Social Media	
PCRM 210	Resources for Outdoor Programming	
HIST 343	Public History	
HIST 411	Digital History	
Content Electives		
Select two of the following:		6
PCRM 377	Cultural Resources Management	
PCRM 348	Natural History of Ecosystems I	
BIOL 105	Environmental Biology	
EVGE 100	Environmental Geology	

EVGE 121	Meteorology/Lab
EVGE 131	Oceanography
GES 135	Introduction to Environmental Problems
GES 150	The Natural Environment
GES 355	Earth's Changing Climate
HIST 323	African American History to 1876
HIST 324	African American History Since 1876
HIST 326	The Long Civil Rights Movement
HIST 347	Twentieth Century British Culture
HIST 350	The American Civil War
HIST 371	History of Jews
HIST 445	Americans and the Environment
HIST 337	Native American History
Total Hours	21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Environmental Communication and Heritage Interpretation (71D)

This program is effective as of Fall 2018.

Revised 09.19.2025

Park & Resource Management, Bachelor of Science (BS)

PROGRAM LEARNING OUTCOMES

- **Communication:**
 - Students will engage in oral communication
 - Students will produce professional written communication
 - Students will develop graphical and technological communication materials
 - Students will respond to feedback
- **Foundations in Natural Resource Management:**
 - Students will identify flora, fauna, and habitat
 - Students will assess cultural resources
 - Students will practice interpretation
- **Critical Thinking and Problem Solving:**
 - Students will apply an understanding of cultural resource management
 - Students will develop sustainable solutions to global problems
 - Students will evaluate a strategic management plan

• Professional Leadership and Administration:

- Students will provide visitor services to the public
- Students will identify administrative tasks relevant to PRM
- Students will lead group projects
- Students will exhibit professional behavior

• Career Development and Field Experiences:

- Students will create a professional resume
- Students will demonstrate awareness of job opportunities in the field
- Students will participate in research
- Students will participate in experiential learning
- Students will develop an awareness of the spectrum of job opportunities in the field

RELATED LINKS

Park and Resource Management, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/park-and-resource-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	57
	Electives	21

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Park & Recreation Core		
PCRM 110	Foundations of Parks and Outdoor Recreation ¹	3
PCRM 111	Introduction to Park and Resource Management ¹	3
PCRM 214	Parks and Recreation Planning ¹	3
PCRM 304	Search and Rescue/Wilderness Medicine ¹	3
PCRM 315	Recreation Resource Planning and Analysis ¹	3
PCRM 347	Interpretive Methods and Programming	3

PCRM 348	Natural History of Ecosystems I ¹	3
PCRM 349	Natural History of Ecosystems II ¹	3
PCRM 351	Parks & Conservation Practicum ¹	3
PCRM 377	Cultural Resources Management ¹	3
PCRM 415	Challenges and Trends in Parks and Conservation ¹	3
PCRM 475	Park and Resource Management ¹	3
PCRM 477	Wildlife & Wildlands Field Methods and Management ¹	3
Subtotal		39

Leadership Course

Select one of the following:		3
PCRM 211	Outdoor Leadership	
PCRM 318	Administrative Strategies for Resource Managers	
PCRM 342	Group Facilitation and Leadership	

Required Courses Outside of Major Department

GES 115	Introduction to Geospatial Technologies	3
Subtotal		6

Required Internship

PCRM 450	Internship ¹	12
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term)
2. Student-faculty research
3. Service-learning classes
4. Internships
5. Volunteering
6. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PARK & RESOURCE MANAGEMENT - BS (6374)

This program is effective as of Fall 2020.

Revised 09.19.2025

UCC 09.15.20

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
PCRM 110	Foundations of Parks and Outdoor Recreation	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		13
Spring		
PCRM 111	Introduction to Park and Resource Management	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PCRM 210	Resources for Outdoor Programming	3
PCRM 342	Group Facilitation and Leadership	3
GES 115	Introduction to Geospatial Technologies	3
SCI 101	Science of Life	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Hours		15
Spring		
PCRM 214	Parks and Recreation Planning	3
PCRM 348	Natural History of Ecosystems I	3
PCRM Leadership Class:		3
PCRM 318	Administrative Strategies for Resource Managers	
PCRM 211	Outdoor Leadership	
PCRM 342	Group Facilitation and Leadership	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
PCRM 315	Recreation Resource Planning and Analysis	3
Professional Elective:		3
PCRM 318	Administrative Strategies for Resource Managers	
PCRM 211	Outdoor Leadership	
PCRM 342	Group Facilitation and Leadership	
PCRM 349	Natural History of Ecosystems II	3

PCRM 377	Cultural Resources Management	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
PCRM 415	Challenges and Trends in Parks and Conservation	3
PCRM 304	Search and Rescue/Wilderness Medicine	3
PCRM 477	Wildlife & Wildlands Field Methods and Management	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
PCRM Elective/Minor/Certificate		3
Hours		18
Summer		
PCRM 351	Parks & Conservation Practicum	3
Hours		3
Fourth Year		
Fall		
PCRM 475	Park and Resource Management	3
PCRM 347	Interpretive Methods and Programming	3
PCRM Elective/Minor/Certificate		3
PCRM Elective/Minor/Certificate		3
PCRM Elective/Minor/Certificate		3
Hours		15
Summer		
PCRM 450	Internship	12
Hours		12
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

PARK & RESOURCE MANAGEMENT - BS (6374)

Revised: 09.23.2025

Physics Programs Majors

- Physics, Bachelor of Science (BS) - Concentration in Computational Physics (p. 388)
- Physics, Bachelor of Science (BS) - Concentration in Engineering Physics (p. 390)
- Physics, Bachelor of Science (BS) - Pre-Master of Education (7-12) (p. 392)

- Physics, Bachelor of Science (BS) / Pre-Engineering (Pitt) (3+2) (p. 394)

Minors

- Physics, Minor (p. 396)

Physics, Bachelor of Science (BS) - Concentration in Computational Physics

Program Learning Outcomes

LO1: Graduates will demonstrate a comprehensive understanding of core physics concepts including mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics (UGO 02, 03, 04)

LO2: Graduates will be skilled in using physical laws, relevant mathematical and statistical techniques, and computational tools to model physical systems and solve complex problems across various domains in physics. (UGO 02, 03, 04, 06)

LO3: Graduates will possess hands-on experience in designing, conducting, and analyzing experiments using appropriate laboratory equipment and techniques. (UGO 02, 04, 06)

LO4: Graduate will demonstrate the ability to effectively communicate complex physical concepts and results through oral presentations, written reports, and visual aids tailored to diverse audiences. (UGO 01, 05)

LO5: Graduates will be capable of collaborating effectively within diverse, interdisciplinary teams and recognize the significance of professional integrity in scientific practices. (UGO 07, 08, 09, 10)

Related Links

Physics - Computational Physics, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/physics-computational-physics/>)

Physics Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/physics-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	59
	Natural Science and Math College-Wide Requirements (Included in Rock Studies Requirements)	12
	Electives	16

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Physical Sciences Inquiry		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Physics Core		
PHYS 217	University Physics 2 with Lab ¹	4
PHYS 310	Classical Mechanics ¹	3
PHYS 312	Modern Physics ¹	3
PHYS 381	Advanced Physics Laboratory ¹	2
PHYS 385	Computational Physics ¹	3

Concentration in Computational Physics

Required Concentration Physics Courses

PHYS 331	Mathematical Methods of Physics and Engineering ¹	3
or MATH 331	Mathematical Methods of Physics and Engineering	
PHYS 375	Thermal and Statistical Physics ¹	3
PHYS 410	Electricity and Magnetism ¹	3
PHYS 480	Quantum Mechanics ¹	3
PHYS 490	Independent Study ¹	2
Subtotal		29

Required Cognate Courses

MATH 230	Calculus II ¹	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 301	Differential Equations I ¹	3
STAT 350	Applied Statistics ¹	3
CPSC 146	Programming Principles ¹	3
Subtotal		20

Required Technical Electives

Select minimum 10 credits from the following:		10
CHEM 108	General Chemistry II ¹	
CHEM 111	General Chemistry I Lab ¹	
CPSC 246	Object-Oriented Programming ¹	
CPSC 374	Algorithms and Data Structures ¹	
ENGR 250	Circuit Analysis I ¹	
MATH 302	Differential Equations II	
MATH 311	Deterministic Models of Operations Research ¹	
MATH 315	Numerical Mathematics ¹	
MATH 335	Mathematical Modeling ¹	
MATH 317	Complex Variables ¹	
MATH 411	Partial Differential Equations ¹	
MECH 330	Introduction to Mechatronics ¹	
PHYS 485	Condensed Matter Physics ¹	

Subtotal	10
Total Hours	59

¹ Course counts for 50% of Major requirements and Major GPA

²

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
Students must take the following four courses:		
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHYSICS - BS (6164) / CIM 339

Concentration in Computational Physics (COPH)

This program is effective as of Summer 2025

Revised 07.14.2025

UCC 10.29.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 225	Calculus I	4
PHYS 216	University Physics 1 with Lab	4
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		15
Spring		
ENGL 104	Critical Reading	3
PHYS 213	General Physics III/ Lab	4
MATH 230	Calculus II	4
Rock Studies 2 Requirement (p. 19)		3
Hours		14

Second Year**Fall**

CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CPSC 146	Programming Principles	3
MATH 231	Calculus III	4
PHYS 212	General Physics II with Lab	3
Declare a Thematic Thread ²		
Hours		14

Spring

CPSC 246	Object-Oriented Programming	3
MATH 240	Linear Algebra and Differential Equations	3
MATH 301	Differential Equations I	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15

Third Year**Fall**

Free Elective		3
PHYS 312	Modern Physics	3
PHYS 385	Computational Physics	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Rock Studies 2 Requirement (p. 19)		3
Hours		15

Spring

PHYS 315	Dynamics	3
PHYS 375	Thermal and Statistical Physics	3
PHYS 381	Advanced Physics Laboratory	2
MATH 315	Numerical Mathematics	3
CPSC 374	Algorithms and Data Structures	3
PHYS 412	Modern Physics 2	1
Hours		15

Fourth Year**Fall**

PHYS 490	Independent Study (Computational Physics Research)	1
PHYS 331	Mathematical Methods of Physics and Engineering	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Physics Elective		3
Free Elective		3
Hours		16

Spring

PHYS 410	Electricity and Magnetism	3
PHYS 480	Quantum Mechanics	3
PHYS 490	Independent Study (Computational Physics Research)	1
Rock Studies 2 Requirement (p. 19)		3
Technical Elective		3

Free Elective	3
Hours	16
Total Hours**	120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6164

Concentration: CPH

Revised: 09.23.2025

Physics, Bachelor of Science (BS) - Concentration in Engineering Physics Program Learning Outcomes

LO1: Graduates will demonstrate a comprehensive understanding of core physics concepts including mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics (UGO 02, 03, 04)

LO2: Graduates will be skilled in using physical laws, relevant mathematical and statistical techniques, and computational tools to model physical systems and solve complex problems across various domains in physics. (UGO 02, 03, 04, 06)

LO3: Graduates will possess hands-on experience in designing, conducting, and analyzing experiments using appropriate laboratory equipment and techniques. (UGO 02, 04, 06)

LO4: Graduate will demonstrate the ability to effectively communicate complex physical concepts and results through oral presentations, written reports, and visual aids tailored to diverse audiences. (UGO 01, 05)

LO5: Graduates will be capable of collaborating effectively within diverse, interdisciplinary teams and recognize the significance of professional integrity in scientific practices. (UGO 07, 08, 09, 10)

Related Links

Physics - Engineering Physics, BS Program Page (<https://www.sru.edu/programs/undergrad-physics/>)

Physics Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/physics-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Natural Science and Math College-Wide Requirements (Included in Rock Studies Requirements)	12
	Electives	15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Physics Core		
PHYS 217	University Physics 2 with Lab ¹	4
PHYS 310	Classical Mechanics ¹	3
PHYS 312	Modern Physics ¹	3
PHYS 381	Advanced Physics Laboratory ¹	2
PHYS 385	Computational Physics ¹	3
Subtotal		15
Concentration in Engineering Physics		
<i>Required Concentration Physics Courses</i>		
PHYS 314	Statics	3
PHYS 315	Dynamics	3
PHYS 331	Mathematical Methods of Physics and Engineering ¹	3
or MATH 331	Mathematical Methods of Physics and Engineering	
PHYS 375	Thermal and Statistical Physics ¹	3
Subtotal		12
<i>Required Engineering Courses</i>		
ENGR 230	Mechanics of Materials ¹	3
ENGR 250	Circuit Analysis I ¹	3
Subtotal		6
<i>Related Cognate Courses</i>		
MATH 230	Calculus II ¹	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 301	Differential Equations I ¹	3
STAT 350	Applied Statistics ¹	3
Subtotal		17
<i>Required Technical Electives</i>		
Select minimum 10 credits from the following: ³		10
PHYS 410	Electricity and Magnetism ¹	

PHYS 480	Quantum Mechanics ¹	
CHEM 108	General Chemistry II ¹	
CHEM 111	General Chemistry I Lab ¹	
PHYS 485	Condensed Matter Physics ¹	
ENGR 120	Engineering Design Tools ¹	
ENGR 130	Engineering Computing Tools ¹	
ENGR 220	Engineering Materials ¹	
ENGR 301	Fluid Mechanics ¹	
ENGR 320	Thermodynamics ¹	
MECH 310	Machines and Mechanisms ¹	
MECH 330	Introduction to Mechatronics ¹	
CIVL 310	Structural Engineering ¹	
CIVL 330	Environmental Engineering ¹	
CPSC 146	Programming Principles ¹	
Subtotal		10
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

²

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ Minimum of 3 credits in the *Technical Electives* block must be at the 300 level or above to meet the upper division credit requirement .

Natural Science and Math College-Wide Requirements

Code	Title	Hours
Students must take the following four courses:		
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHYSICS - BS (6164) / CIM 338

Concentration in Engineering Physics (ENPH)

This program is effective as of Summer 2025

Revised 07.14.2025

UCC 11.29.2024

Physics, Bachelor of Science (BS) - Pre-Master of Education (7-12)

Program Learning Outcomes

LO1: Graduates will demonstrate a comprehensive understanding of core physics concepts including mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics (UGO 02, 03, 04)

LO2: Graduates will be skilled in using physical laws, relevant mathematical and statistical techniques, and computational tools to model physical systems and solve complex problems across various domains in physics. (UGO 02, 03, 04, 06)

LO3: Graduates will possess hands-on experience in designing, conducting, and analyzing experiments using appropriate laboratory equipment and techniques. (UGO 02, 04, 06)

LO4: Graduate will demonstrate the ability to effectively communicate complex physical concepts and results through oral presentations, written reports, and visual aids tailored to diverse audiences. (UGO 01, 05)

LO5: Graduates will be capable of collaborating effectively within diverse, interdisciplinary teams and recognize the significance of professional integrity in scientific practices. (UGO 07, 08, 09, 10)

Related Links

Physics - Pre-Masters of Education, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/physics-pre-masters-of-education/>)

Physics Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/physics-fs.pdf>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	45
	Other Basic Requirements	0-3
	Major Requirements	59
	Natural Science and Math College-Wide Requirements (Included in Rock Studies Requirements)	12
	Electives	16

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		45

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Physics Core		
PHYS 217	University Physics 2 with Lab ¹	4
PHYS 310	Classical Mechanics ¹	3
PHYS 312	Modern Physics ¹	3
PHYS 381	Advanced Physics Laboratory ¹	2
PHYS 385	Computational Physics ¹	3
Subtotal		15
Concentration in Pre-Master of Education (7-12)		
<i>Required Concentration Physics Courses</i>		
PHYS 331	Mathematical Methods of Physics and Engineering ¹	3
or MATH 331	Mathematical Methods of Physics and Engineering	
PHYS 375	Thermal and Statistical Physics ¹	3
PHYS 410	Electricity and Magnetism ¹	3
PHYS 480	Quantum Mechanics ¹	3
Subtotal		12
<i>Required Education Courses</i>		
SPED 121	Overview of Special Education ¹	3
SEFE 338	Standards-Based Instruction & Assessment in the Inclusionary Classroom ¹	3
Subtotal		6
<i>Required Electives</i>		
Select minimum 12 credits from the following. At least 4 credits must be 300-level or higher. ³		12
PHYS 314	Statics ¹	
PHYS 315	Dynamics ¹	
PHYS 317	Space Science ¹	
PHYS 485	Condensed Matter Physics ¹	
SEFE 200	Introduction to Education, Teaching Methods and Field	
SEFE 230	Production and Utilization of Instructional Technology	
SEFE 342	Educational Psychology for Diverse Learners	
CHEM 108	General Chemistry II ¹	
CHEM 112	General Chemistry II Lab ¹	
STAT 350	Applied Statistics ¹	
CPSC 146	Programming Principles ¹	
Subtotal		12
<i>Required Cognate Courses</i>		
MATH 230	Calculus II ^{1,2}	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra	3
MATH 301	Differential Equations I ¹	3
Subtotal		14
Total Hours		59

¹ Course counts for 50% of Major requirements and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

³ Minimum of 3 credits from *Required Electives Block* must be at 300 level or above to comply with Upper Division course requirement,

Natural Science and Math College-Wide Requirements

Code	Title	Hours
Students must take the following four courses:		
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHYSICS - BS (6164)
w/optional Pre Masters in Education (PX)
This program is effective as of Summer 2025
Revised 07.14.2025
UCC 10.29.2024

Physics, Bachelor of Science (BS) / Pre-Engineering (Pitt) (3+2)

Program Learning Outcomes

- LO1:** Graduates will demonstrate a comprehensive understanding of core physics concepts including mechanics, electromagnetism, thermal and statistical physics, and quantum mechanics (UGO 02, 03, 04)
- LO2:** Graduates will be skilled in using physical laws, relevant mathematical and statistical techniques, and computational tools to model physical systems and solve complex problems across various domains in physics. (UGO 02, 03, 04, 06)
- LO3:** Graduates will possess hands-on experience in designing, conducting, and analyzing experiments using appropriate laboratory equipment and techniques. (UGO 02, 04, 06)
- LO4:** Graduate will demonstrate the ability to effectively communicate complex physical concepts and results through oral presentations,

written reports, and visual aids tailored to diverse audiences. (UGO 01, 05)

LO5: Graduates will be capable of collaborating effectively within diverse, interdisciplinary teams and recognize the significance of professional integrity in scientific practices. (UGO 07, 08, 09, 10)

Related Links

- Physics - Pre-Engineering PITT, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/pre-engineering-with-pitt/>)
- Physics Fact Sheet URL (<https://www.sru.edu/documents/programs/factsheets/undergraduate/physics-fs.pdf>)
- Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		41
Other Basic Requirements		0-3
Major Requirements		56
Natural Science and Math College-Wide Requirements (Included in Rock Studies Requirements)		12
Electives		23

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 225	Calculus I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		16
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
<i>Physical Sciences Inquiry</i>		
PHYS 216	University Physics 1 with Lab	4
Subtotal		17
Additional Rock Studies 2 Requirements		
Required Thematic Thread Coursework:		
MATH 230	Calculus II	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
Subtotal		8
Total Hours		41

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

Code	Title	Hours
Physics Core		
PHYS 217	University Physics 2 with Lab ¹	4
PHYS 310	Classical Mechanics ¹	3
PHYS 312	Modern Physics ¹	3
PHYS 381	Advanced Physics Laboratory ¹	2
PHYS 385	Computational Physics ¹	3
Subtotal		15
Required Physics Courses		
PHYS 314	Statics ¹	3
PHYS 315	Dynamics ¹	3
PHYS 331	Mathematical Methods of Physics and Engineering ¹	3
or MATH 331	Mathematical Methods of Physics and Engineering	
Subtotal		9
Required Engineering Courses		

ENGR 230	Mechanics of Materials ¹	3
ENGR 250	Circuit Analysis I ¹	3
Subtotal		6

Major and Related Electives

Select nine credits of the following: ²		9
PHYS 375	Thermal and Statistical Physics ¹	
PHYS 410	Electricity and Magnetism ¹	
PHYS 480	Quantum Mechanics ¹	
ENGR 120	Engineering Design Tools ¹	
ENGR 130	Engineering Computing Tools ¹	
ENGR 231	Mechanics of Materials Lab ¹	
ENGR 220	Engineering Materials ¹	
ENGR 301	Fluid Mechanics ¹	
ENGR 320	Thermodynamics ¹	
STAT 350	Applied Statistics ¹	
ENGR 340	Engineering Economics ¹	
CHEM 201	Organic Chemistry I ¹	
CHEM 202	Organic Chemistry II ¹	
CHEM 211	Organic Chemistry Laboratory I ¹	
CHEM 212	Organic Chemistry Laboratory II ¹	
CHEM 301	Physical Chemistry I ¹	
CPSC 246	Object-Oriented Programming ¹	
Subtotal		9

Required Related Courses

MATH 230	Calculus II ¹	4
MATH 231	Calculus III ¹	4
MATH 232	Linear Algebra ¹	3
MATH 301	Differential Equations I ¹	3
CPSC 146	Programming Principles ¹	3
Subtotal		17
Total Hours		56

¹ Course counts for 50% of Major requirements and Major GPA

² Elective courses need to be selected based upon area of Engineering chosen. Please contact your Adviser for specific courses.

³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Natural Science and Math College-Wide Requirements

Code	Title	Hours
Students must take the following four courses:		
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab ¹	1
MATH 225	Calculus I ¹	4
PHYS 216	University Physics 1 with Lab ¹	4
Total Hours		12

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHYSICS PRE ENGINEERING - BS (6164)/CIM 333
with Concentration in Engineering Physics (ENPH)
with University of Pittsburgh (6PIT)
This program is effective as of Summer 2025
Revised 07.14.2025
UCC 10.29.2024

Physics, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Physics Courses		
PHYS 211	General Physics I with Lab	4
PHYS 212	General Physics II with Lab	3
PHYS 213	General Physics III/ Lab	4
PHYS 312	Modern Physics	3
Elective Physics Courses		
Select two or three of the following courses:		4-6
PHYS 314	Statics	
PHYS 315	Dynamics	
PHYS 331	Mathematical Methods of Physics and Engineering	
PHYS 371	Physical Optics	
PHYS 375	Thermal and Statistical Physics	
PHYS 381	Advanced Physics Laboratory	
PHYS 382	Optics Laboratory	
PHYS 385	Computational Physics	
PHYS 410	Electricity and Magnetism	

PHYS 412	Modern Physics 2
PHYS 480	Quantum Mechanics
Total Hours	18-20

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Physics (64A)
This program is effective as of Fall 2013.
Revised 8-2019

Health Professions

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The following academic programs and units are in the College of Health Professions:

- Exercise Science (p. 397)
- Healthcare Administration and Management (p. 439)
- Nursing (p. 489)
- Psychology (p. 495)
- Public Health (p. 535)
- Recreational Therapy (p. 563)
- Social Work (p. 579)

Exercise Science

Programs

Majors

- Exercise Science, Bachelor of Science (BS) (p. 397)
- Exercise Science, Bachelor of Science (BS) / Pre-Athletic Training (SRU) (3+2) (p. 400)
- Exercise Science, Bachelor of Science (BS) / Pre-Athletic Training (SRU) (Traditional) (p. 404)
- Exercise Science, Bachelor of Science (BS) / Pre-Chiropractic (Logan) (3+3) (p. 408)
- Exercise Science, Bachelor of Science (BS) / Pre-Chiropractic (Palmer) (3+3) (p. 412)
- Exercise Science, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3) (p. 414)
- Exercise Science, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional) (p. 418)
- Exercise Science, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3) (p. 422)
- Exercise Science, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (Traditional) (p. 426)
- Exercise Science, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2) (p. 430)
- Exercise Science, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (Traditional) (p. 435)

Exercise Science, Bachelor of Science (BS)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others UO 8, 10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and

Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).

- b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.

- b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
- a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department’s ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE
GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	57
	Natural Science and Math College-Wide Requirements	15
	Electives	15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
Physical Science Inquiry		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above
- Students may choose to earn a BS in Exercise Science as preparation for graduate studies in many health care related fields. In this case, the student should learn what prerequisites are required for his/her

intended graduate program and take those courses as electives while completing the Exercise Science Program.

- This program prepares you to sit for national examinations. While professional licensure/certification is not required, some employers may require certification.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
EXER 450	Exercise Science Internship ^{1,2}	6
EXER 450	Exercise Science Internship ^{1,2}	6
Subtotal		36
Total Hours		57

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Exercise Science - BS (6149)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirements (p. 19)		6
ESAP 101	FIRST Seminar *	1
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		1
Hours		16
Second Year		
Fall		
Select one of the following: ³		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 209	Human Anatomy and Physiology I ²	4
Rock Studies 2 Requirements (p. 19)		9
Hours		16
Spring		
Select one of the following: ³		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 309	Human Anatomy and Physiology II ³	4
Rock Studies 2 Requirements (p. 19)		9
Hours		16

Third Year**Fall**

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
Rock Studies 2 Requirements (p. 19)		6

Hours **15**

Spring

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
Rock Studies 2 Requirements (p. 19)		3

Hours **15**

Fourth Year**Fall**

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		2-3

Hours **14-15**

Spring

EXER 450	Exercise Science Internship ^{3,4}	12

Hours **12**

Total Hours** **121-122**

¹ Course satisfies majors and Rock Studies 2 requirements

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a grade of "C" or better

⁴ EXER 450: Exercise Science Internship may be scheduled Only after all prerequisites are met. Also required are a valid First Aid, CPR/AED certification and proof of student professional liability insurance. EXER 412 provides all necessary information pertaining to the internship registration process and is taken the semester prior to internship.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6149

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Athletic Training (SRU) (3+2)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Athletic Training SRU 3+2: Earn a Master of Science degree in Athletic Training in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU AT graduate program. During your third undergraduate year, you apply for admission into the SRU AT graduate program. If accepted, your first year in the SRU AT graduate program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Athletic Training (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU AT graduate program and apply to the SRU AT graduate program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:

- i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own

cost. More information will be provided to students in the upper level EXER courses.

- c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Athletic Training, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-athletic-training/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-AT SRU 3+2 Exercise Science

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15
	Additional Athletic Training Prerequisite Course	13
	Electives	14

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
	Select one of the following:	3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Athletic Training prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Athletic Training SRU 3+2 Exercise Science and are not accepted into the AT program, then EXER 450 : Internship is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a “C” or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to SRU AT Program)		
Must earn a “C” or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a “C” or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL ATHLETIC TRAINING PREREQUISITE COURSES

Code	Title	Hours
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	

CHEM 104 or CHEM 107	Introduction Chemistry I General Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3

Athletic Training Graduate Program (Master of Science in Athletic Training)

Prerequisite Admission Requirements – Pre-Athletic Training SRU 3+2

For Application Requirements:

Please refer to Slippery Rock University's Athletic Training Graduate Program. (Master of Science in Athletic Training) website for requirements: www.sru.edu/AT/ (<http://www.sru.edu/AT/>)

Code	Title	Hours
Prerequisite Courses - SRU Athletic Training Graduate Program:		
BIOL 110 or BIOL 114	The Human Body: Fundamentals of Structure and Physiology Biology II: Foundations of Molecules, Genes and Cells with Lab	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104 or CHEM 107	Introduction Chemistry I General Chemistry I	3
EXER 201 or PHED 238	Exercise Physiology with Lab Applied Principles of Exercise	3
EXER 202 or RCTH 364	Biomechanics with Lab Biomechanics of Individuals with Disabilities	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
EXER 424 or PHED 393	Nutrition and Exercise Nutrition for Physical Activity, Exercise, and Health	3
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I	3
Total Hours		36

Requirements for Pre-Athletic Training SRU 3+2:

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Athletic Training SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision:

Should a Pre-Athletic Training SRU 3+2 student be unsuccessful in completing the 1st three semesters (summer or fall or spring terms) of the Athletic Training Graduate Program and want to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, graduate level AT courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any

unfulfilled requirements of their undergraduate major. Students may still apply to the AT program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-AT SRU 3+2 (6SAT)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ¹	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar [*]	1
Rock Studies 2 Requirements (p. 19)		3
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		0-1
Hours		15-16
Second Year		
Fall		
EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
Rock Studies 2 Requirements (p. 19)		9
Hours		19
Spring		
BIOL 309	Human Anatomy and Physiology II ³	4
EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3

EXER 302	Exercise Leadership: Resistance Training ³	3
EXER 250 or HCAM 250	Medical Terminology or Medical Terminology for Healthcare Administrators	3
Rock Studies 2 Requirements (p. 19)		3
Hours		19
Third Year		
Fall		
EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
CHEM 104 or CHEM 107	Introduction Chemistry I or General Chemistry I	3
Hours		15
Spring		
EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
BIOL 110 or BIOL 114	The Human Body: Fundamentals of Structure and Physiology or Biology II: Foundations of Molecules, Genes and Cells with Lab	3
Rock Studies 2 Requirements (p. 19)		3
Hours		18
Fourth Year		
Fall		
Senior Year: If not accepted into SRU AT⁴		
EXER 450	Exercise Science Internship ^{3,5}	12
Hours		12
Total Hours**		115-116

¹ Course satisfies majors and Rock Studies requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a "C" or better in the course.

⁴ **Senior Year- If not accepted into SRU AT Graduate Program:** If you choose to pursue Exercise Science 3+2 and are not accepted into SRU AT Graduate Program, then EXER 450: Exercise Science Internship (12 credits) is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

⁵ Students must complete this 12 credit requirement by registered for two sections of this 6-credit hour course in the same semester.

* Students are encouraged to take ESAP 101 as a Free Elective.

Students must meet all Exercise Science 3+2 major requirements, SRU Athletic Training (AT) Graduate Program prerequisites, and Rock studies requirements to apply.

Senior Year- If accepted into the SRU AT Graduate Program: The first two semesters will count as the 4th year of the Exercise Science program. Upon successful completion of the first two semesters of the SRU AT Graduate Program, students will graduate with a BS in Exercise Science. Should an Exercise Science 3+2 student be unsuccessful in completing

the first two semesters of the SRU AT Graduate Program and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Athletic Training courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450: Exercise Science Internship (12 credits).

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6149

Pre-Athletic Training SRU 3+2 (6SAT)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Athletic Training (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Athletic Training SRU 3+2: Earn a Master of Science degree in Athletic Training in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU AT graduate program. During your third undergraduate year, you apply for admission into the SRU AT graduate program. If accepted, your first year in the SRU AT graduate program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Athletic Training (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU AT graduate program and apply to the SRU AT graduate program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.
3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Athletic Training, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-athletic-training/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT - EXERCISE SCIENCE

Overall GPA: 2.00 or higher

Major GPA (includes Major Requirements and College-Wide Requirements): 2.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	57
	Natural Science and Math College-Wide Requirements	15
	Additional Athletic Training Prerequisite Courses	13
	Electives	2

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Athletic Training prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above
- Students may choose to earn a BS in Exercise Science as preparation for graduate studies in many health care related fields. In this case, the student should learn what prerequisites are required for his/her intended graduate program and take those courses as electives while completing the Exercise Science Program.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
EXER 450	Exercise Science Internship ^{1,2}	6
EXER 450	Exercise Science Internship ^{1,2}	6
Subtotal		36
Total Hours		57

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL ATHLETIC TRAINING PREREQUISITE COURSES

Code	Title	Hours
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3

Athletic Training Graduate Program (Master of Science in Athletic Training)

Prerequisite Admission Requirements

For Application Requirements:

Please refer to Slippery Rock University's Athletic Training Graduate Program. (Master of Science in Athletic Training) website for requirements: www.sru.edu/AT (<http://www.sru.edu/AT/>)

Code	Title	Hours
Prerequisite Courses - SRU Athletic Training Graduate Program:		
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
or BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104	Introduction Chemistry I	3
or CHEM 107	General Chemistry I	
EXER 201	Exercise Physiology with Lab	3
or PHED 238	Applied Principles of Exercise	
EXER 202	Biomechanics with Lab	3
or RCTH 364	Biomechanics of Individuals with Disabilities	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
EXER 424	Nutrition and Exercise	3
or PHED 393	Nutrition for Physical Activity, Exercise, and Health	
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I	3
Total Hours		36

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Exercise Science - BS (6149)

PRE-AT (SRU Traditional)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ¹	3
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirements (p. 19)		3
ESAP 101	FIRST Seminar *	1
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		0-1
Hours		15-16
Second Year		
Fall		
Select one of the following:		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
Rock Studies 2 Requirements (p. 19)		9
Hours		16
Spring		
Select one of the following:		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 309	Human Anatomy and Physiology II ³	4
Rock Studies 2 Requirements (p. 19)		6
EXER 250	Medical Terminology	3
or HCAM 250	or Medical Terminology for Healthcare Administrators	
Hours		16

Third Year**Fall**

EXER 300	Research Methods in Exercise Science ^D	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
CHEM 104 or CHEM 107	Introduction Chemistry I or General Chemistry I	3
Rock Studies 2 Requirements (p. 19)		3
Hours		15

Spring

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
BIOL 110 or BIOL 114	The Human Body: Fundamentals of Structure and Physiology or Biology II: Foundations of Molecules, Genes and Cells with Lab	3-4
Hours		15-16

Fourth Year**Fall**

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		2-3
Hours		14-15

Spring

EXER 450	Exercise Science Internship ^{3,4,5}	12
Hours		12
Total Hours**		120-123

SRU Athletic Training Program begins in the summer.

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a grade of "C" or better

⁴ EXER 450: Exercise Science Internship may be scheduled Only after all prerequisites are met. Also required are a valid First Aid, CPR/AED certification and proof of student professional liability insurance. EXER 412 provides all necessary information pertaining to the internship registration process and is taken the semester prior to internship.

⁵ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Students should review necessary prerequisite courses for targeted graduate programs at institutions other than Slippery Rock University. Students should meet with advisor to discuss how to add any additional classes to the recommended plan of study.

Major Code: 6149

Pre-Athletic Training SRU Traditional (P2)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Chiropractic (Logan) (3+3)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8, 10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

WHAT ARE YOUR OPTIONS?

Pre-Chiropractic Logan 3+3: Earn a Doctor of Chiropractic (DC) in six years rather than seven. In the first three years, you complete your major courses and pre-requisites for the Logan University DC graduate program. All students who successfully complete the Pre-Chiropractic program with a cumulative GPA of 3.0 or higher and meet all other criteria for admission will be accepted and transfer to Logan's DC program. On completion of your first year and minimally 30 credits, you will receive your bachelor's degree from SRU. You will then continue at Logan to complete the requirements for the DC degree. The accelerated option is for incoming freshmen only.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course

- to be able to take the next course. See course catalog for pre-requisites.
- d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
- a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.

- b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
- c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Chiropractic (LOGAN), BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Exercise Science 3+3 Pre-Chiropractic (Logan)

- Overall GPA: 2.75 minimum for consideration in standard admission process
- Overall GPA: 3.00 or higher for acceptance

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15
	Additional Pre-Chiropractic (Logan) 3+3 Exercise Science Requirement	1
	Electives	26

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Exercise Science 3+3 Pre-Chiropractic (Logan) and are not accepted, then EXER 450: Internship is required

to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to Logan Doctor of Chiropractic Program)		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PRE-CHIROPRACTIC (logan) 3+3 eXERCISE SCIENCE COURSES

Code	Title	Hours
Must earn a "C" or better in the following course:		
ESAP 101	FYRST Seminar	1
Total Hours		1

REQUIREMENTS FOR PRE-CHIROPRACTIC (LOGAN) 3+3 EXERCISE SCIENCE:

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A minimum of 2.75 overall GPA must be maintained by student for standard admission at the discretion of Logan University's Vice President of Admissions and Financial Aid.
2. A 3.0 or higher overall GPA must be maintained by the student for acceptance to Logan's Doctor of Chiropractic Degree Program.
3. The student can only be enrolled in the Pre-Chiropractic Program (Logan) 3+3 Exercise Science program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision:

Should a student enrolled in the Exercise Science 3+3 Pre-Chiropractic (Logan) designation be unsuccessful in completing the 1st three semesters (summer or fall or spring terms) of the Doctor of Chiropractic Degree Program, and want to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, graduate level Chiropractic courses will count toward the completion of their undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still be able to apply to Logan University's Doctor of Chiropractic Degree Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-CHIROPRACTIC LOGAN 3+3 (6EPC)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 02.15.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		
		3

EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirements (p. 19)		3
ESAP 101	FYRST Seminar	1
Hours		14

Spring

Select one of the following: 3

EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		0-1
Hours		15-16

Second Year

Fall

EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
Rock Studies 2 Requirements (p. 19)		9
Hours		19

Spring

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
BIOL 309	Human Anatomy and Physiology II ³	4
Rock Studies 2 Requirements (p. 19)		3
Hours		16

Third Year

Fall

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
Rock Studies 2 Requirements (p. 19)		3
Hours		15

Spring

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		3
Hours		15

Fourth Year

Fall

Senior Year: If not accepted into Logan Chiropractic ⁴

EXER 450	Exercise Science Internship ³	12
	Hours	12
	Total Hours**	106-107

¹ Course satisfies majors and Rock Studies requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a "C" or better in the course.

4 Senior Year- If not accepted into Logan Chiropractic Graduate

Program: The first three semesters (summer or fall or spring terms) of the Doctor of Chiropractic degree program, will count as the 4th year of the Exercise Science program. Upon successful completion of the first three semesters of the Logan Chiropractic program, students will graduate with a BS in Exercise Science. Should an Exercise Science 3_3 student be unsuccessful in completing the first three semester of the Logan Chiropractic programs and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Chiropractic courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450 (12 credits).

Senior Year- If accepted into the SRU AT Graduate Program: The first two semesters will count as the 4th year of the Exercise Science program. Upon successful completion of the first two semesters of the SRU AT Graduate Program, students will graduate with a BS in Exercise Science. Should an Exercise Science 3+2 student be unsuccessful in completing the first two semesters of the SRU AT Graduate Program and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Athletic Training courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450: Exercise Science Internship (12 credits).

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Students must meet all Exercise Science 3+3 major requirements, Logan Chiropractic Graduate program prerequisites, and Rock Studies requirements to apply.

Major: 6149

Pre-Chiropractic (Logan) 3+3 (6EPC)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Chiropractic (Palmer) (3+3)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5

- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8, 10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Exercise Science 3+3 Pre-Chiropractic (Palmer)

- Overall GPA: 2.75 minimum for consideration in standard admission process
- Overall GPA: 3.00 or higher for acceptance

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15
	Additional Pre-Chiropractic (Palmer) 3+3 Exercise Science Requirement	4
	Electives	23

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Exercise Science 3+3 Pre-Chiropractic (Palmer) and are not accepted, then EXER 450: Internship is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		

EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to Palmer Doctor of Chiropractic Program)		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PRE-CHIROPRACTIC (PaLMER) 3+3 eEXERCISE SCIENCE COURSES

Code	Title	Hours
Must earn a "C" or better in the following course:		
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Total Hours		4

REQUIREMENTS FOR PRE-CHIROPRACTIC (Palmer) 3+3 EXERCISE SCIENCE:

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A minimum of 2.75 overall GPA must be maintained by student for standard admission at the discretion of Palmer College of Chiropractic.
2. A 3.0 or higher overall GPA must be maintained by the student for acceptance to Palmer's Doctor of Chiropractic Degree Program.
3. The student can only be enrolled in the Pre-Chiropractic Program (Palmer) 3+3 Exercise Science program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision:

Should a student enrolled in the Exercise Science 3+3 Pre-Chiropractic (Palmer) designation be unsuccessful in completing the 1st three semesters (summer or fall or spring terms) of the Doctor of Chiropractic Degree Program, and want to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, graduate level Chiropractic courses will count toward the completion of their undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still be able to apply to Palmer College of Chiropractic with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-CHIROPRACTIC PALMER 3+3 (6ECH)

This program is effective as of Fall 2024

UCC 10.29.2024

Revised 09.19.2025

Exercise Science, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1

- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at

any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-OT SRU 3+3 Exercise Science

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15
	Additional Occupational Therapy Prerequisite Courses	15
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Natural Sciences Inquiry

BIOL 209 Human Anatomy and Physiology I 4

Physical Science Inquiry

PHYS 201 Elements of Physics I with Lab 4

Subtotal 17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}	12
Total Hours	44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Occupational Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Occupational Therapy SRU 3+3 Exercise Science and are not accepted into the OTD program, then EXER 450: Internship is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to SRU OT Program)		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3

EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Additional Sociology or Anthropology Course		3
Total Hours		15

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements – Pre-Occupational Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3

or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Anthropology or Sociology ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Pre-Occupational Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Occupational Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Occupational Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Occupational Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Occupational Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements

of their undergraduate major. Students may still apply to the Doctor of Occupational Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-OT SRU 3+3 (6EOT)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ¹	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar ⁸	1
Rock Studies 2 Requirements (p. 19)		3
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		0-1
Hours		15-16
Second Year		
Fall		
EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
PSYC 244	Developmental Psychology	3
Rock Studies 2 Requirements (p. 19)		3
Sociology or Anthropology Course (See My Rock Audit for options)		3
Hours		19

Spring

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
EXER 250 or HCAM 250	Medical Terminology ³ or Medical Terminology for Healthcare Administrators	3
BIOL 309	Human Anatomy and Physiology II ³	4
Rock Studies 2 Requirements (p. 19)		3
Hours		19

Third Year**Fall**

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
PSYC 276	Introduction to Abnormal Psychology	3
Rock Studies 2 Requirements (p. 19)		3
Hours		18

Spring

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		6
Hours		18

Fourth Year**Fall**

Senior Year: If not accepted into SRU OTD ⁴		
EXER 450	Exercise Science Internship ^{3,5}	12
Hours		12
Total Hours**		118-119

¹ Course satisfies majors and Rock Studies 2 requirements.² Course offered in multiple subjects; cannot take course in first major subject³ Must earn a "C" or better in the course.⁴ **Senior Year- If not accepted into SRU OTD:** If you choose to pursue Exercise Science 3+3 and are not accepted into graduate SRU OTD, then EXER 450: Exercise Science Internship (12 credits) is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.⁵ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

Students must meet all Exercise Science 3+3 major requirements, SRU Occupational Therapy Doctorate (OTD) Program prerequisites, and rock studies 2 requirements to apply.

Senior Year- If accepted into the SRU OTD: The first two semesters will count as the 4th year of the Exercise Science program. Upon successful completion of the first two semesters of the SRU OTD, students will graduate with a BS in Exercise Science. Should an Exercise Science 3+3

student be unsuccessful in completing the two semesters of the SRU OTD and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Occupational Therapy courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450: Exercise Science Internship (12 credits).

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6149

Pre-Occupational Therapy 3+3 (6EOT)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.
3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT - EXERCISE SCIENCE

Overall GPA: 2.00 or higher

Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	57
	Natural Science and Math College-Wide Requirements	15
	Additional Occupational Therapy Prerequisite Courses	15
	Electives	0

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

- ¹ Course offered in multiple subjects; cannot take course in first major subject
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.
- ³ Additional Occupational Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
Must earn a “C” or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses		
Must earn a “C” or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
EXER 450	Exercise Science Internship ^{1,2}	6
EXER 450	Exercise Science Internship ^{1,2}	6
Subtotal		36
Total Hours		57

- ¹ Course counts toward Major GPA
- ² Course counts for 50% of Major requirements
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a “C” or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

- ¹ Course counts toward Major GPA

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Additional Sociology or Anthropology Course		3

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab Biomechanics of Individuals with Disabilities	4
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	

INDP 342	Sociology of Aging
RCTH 120	Disability, Community Inclusion, and Diversity
SOWK 105	Human Diversity
Total Hours	33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-OT (SRU Traditional)

Effective Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ¹	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar [*]	1
Rock Studies 2 Requirements (p. 19)		3
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		9
Computer Competency Course (only if needed)		0-1
Hours		15-16

Second Year

Fall

Select one of the following:		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	

BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
PSYC 244	Developmental Psychology	3
Rock Studies 2 Requirements (p. 19)		3
Sociology or Anthropology Course (See My Rock Audit for options)		3

Hours	16

Spring

Select one of the following:	3

EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 309	Human Anatomy and Physiology II ³	4
EXER 250	Medical Terminology	3
or HCAM 250	or Medical Terminology for Healthcare Administrators	
Rock Studies 2 Requirements (p. 19)		6
Hours		16

Third Year**Fall**

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
PSYC 276	Introduction to Abnormal Psychology	3
Rock Studies 2 Requirements OR Elective (p. 19)		3
Hours		15

Spring

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
Rock Studies 2 Requirements OR Elective (p. 19)		3
Hours		15

Fourth Year**Fall**

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		3
Hours		15

Spring

EXER 450	Exercise Science Internship ^{3,4,5}	12
Hours		12
Total Hours**		121-122

SRU Occupational Therapy Program begins in the Summer.

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a grade of "C" or better

⁴ EXER 450: Exercise Science Internship may be scheduled Only after all prerequisites are met. Also required are a valid First Aid,

CPR/AED certification and proof of student professional liability insurance. EXER 412 provides all necessary information pertaining to the internship registration process and is taken the semester prior to internship.

⁵ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Students should review necessary prerequisites courses for targeted graduate programs at institutions other than Slippery Rock University. Students should meet with advisor to discuss how to add any additional classes to the recommended plan of study.

Major Code: 6149

Pre-Occupational Therapy SRU Traditional (PY)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course

repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science **MUST** have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-PT SRU 3+3 Exercise Science

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15

Additional Physical Therapy Prerequisite Courses	18
Electives	9

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Physical Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Physical Therapy SRU 3+3 Exercise Science and are not accepted into the DPT program, then EXER 450: Internship is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to SRU DPT Program)		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
PHYS 202	Elements of Physics II/ Lab	4
PSYC 105	Introduction to Psychology	3
PSYC	Additional PSYC Course (see Rock Audit)	3
Total Hours		18

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements – Pre-Physical Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT (<http://www.sru.edu/PT/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152	Elementary Statistics I	3

or BIOL 325	Biostatistics and Experimental Design with Lab	
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
or PSYC 276	Introduction to Abnormal Psychology	
Total Hours		31-33

Requirements for Pre-Physical Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physical Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physical Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (fall or spring) of the Doctor of Physical Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physical Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Physical Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-PT SRU 3+3 (61P9)

This program is effective as of Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ^{1,**}	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar [*]	1

Rock Studies 2 Requirements (p. 19)	3
Hours	17

Spring

Select one of the following:	3

EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 202	Elements of Physics II/ Lab	4
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		6
Computer Competency Course (only if needed)		0-1
Hours		16-17

Second Year**Fall**

EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Rock Studies 2 Requirements (p. 19)		6

*Additional credits beyond 18 requires an extra fee.

Hours	20

Spring

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
BIOL 309	Human Anatomy and Physiology II ³	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Rock Studies 2 Requirements (p. 19)		3

*Additional credits beyond 18 requires an extra fee

Hours	20

Third Year**Fall**

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
Psychology Course (See My Rock Audit for options)		3
Rock Studies 2 Requirements (p. 19)		3

Hours	18

Spring

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		6

Hours	18

Fourth Year**Fall**

Senior Year: If not accepted into SRU DPT⁴

EXER 450	Exercise Science Internship ^{3,5}	12
Hours		12
Total Hours**		121-122

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a "C" or better in the course.

⁴ **Senior Year- If not accepted into SRU DPT:** If you choose to pursue Exercise Science 3+3 and are not accepted into SRU DPT Graduate Program, then EXER 450:Exercise Science Internship (12 credits) is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

⁵ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

**Students are encouraged to choose a Rock Studies 2 Thematic Thread that includes PSYC 105.

Students must meet all Exercise Science 3+3 major requirements, SRU Doctorate of Physical Therapy (DPT) Program prerequisites, and Rock Studies 2 requirements to apply.

Senior Year- If accepted into the SRU DPT: The first two semesters will count as the 4th year of the Exercise Science program. Upon successful completion of the first two semesters of the SRU DPT Graduate Program, students will graduate with a BS in Exercise Science. Should an Exercise Science 3+3 student be unsuccessful in completing the first two semesters of the SRU DPT Graduate Program and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Physical Therapy courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450: Exercise Science Internship (12 credits).

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6149

Pre-Physical Therapy 3+3 (61P9)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1

- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.
3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science **MUST** have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE
GPA REQUIREMENT - EXERCISE SCIENCE

Overall GPA: 2.00 or higher
Major GPA (includes Major Requirements and College-Wide Requirements): 2.00 or higher

SUMMARY*

Table with 3 columns: Code, Title, Hours. Rows include Rock Studies 2 Requirements (44), Other Basic Requirements (0-3), Major Requirements (57), Natural Science and Math College-Wide Requirements (15), Additional Physical Therapy Prerequisite Courses (18), and Electives (0).

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Table with 3 columns: Code, Title, Hours. Rows include The Rock (SUBJ 139, ENGL 102, ENGL 104, STAT 152), Integrated Inquiry (Creative and Aesthetic Inquiry, Humanities Inquiry, Social Science Inquiry, Natural Sciences Inquiry, Physical Science Inquiry), and Thematic Thread. Total Hours: 44.

1 Course offered in multiple subjects; cannot take course in first major subject
2 One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required

in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.
3 Additional Physical Therapy prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Table with 3 columns: Code, Title, Hours. Rows include Complete one of the following: (0-3), Meet required minimum SAT or ACT math score OR ESAP 110 Beginning Algebra, and Total Hours (0-3).

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above
- Students may choose to earn a BS in Exercise Science as preparation for graduate studies in many health care related fields. In this case, the student should learn what prerequisites are required for his/her intended graduate program and take those courses as electives while completing the Exercise Science Program.

Table with 3 columns: Code, Title, Hours. Rows include Required Basic Courses (EXER 100-302), Subtotal (21), Required Upper Level Courses (EXER 400-411), and Subtotal (21).

EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
EXER 450	Exercise Science Internship ^{1,2}	6
EXER 450	Exercise Science Internship ^{1,2}	6
Subtotal		36
Total Hours		57

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
PHYS 202	Elements of Physics II/ Lab	4
PSYC 105	Introduction to Psychology	3
PSYC	See My Rock Audit for options	3

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/ (<http://www.sru.edu/PT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4

Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Exercise Science - BS (6149)

PRE-PT (SRU Traditional)

Effective Summer 2022

Revised 09.19.2025

UCC 03.01.2022

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ¹	3
SUBJ 139	Foundations of Academic Discovery ²	3
ESAP 101	FYRST Seminar [*]	1
Rock Studies 2 Requirements (p. 19)		3
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 202	Elements of Physics II/ Lab ³	4
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		6
Computer Competency Course (only if needed)		0-1
Hours		16-17

Second Year**Fall**

Select one of the following:	3
EXER 201 Exercise Physiology with Lab ³	
EXER 202 Biomechanics with Lab ³	
BIOL 209 Human Anatomy and Physiology I ^{1,3}	4
CHEM 107 General Chemistry I	4
& CHEM 111 and General Chemistry I Lab	
Rock Studies 2 Requirements (p. 19)	6
Hours	17

Spring

Select one of the following:	3
EXER 201 Exercise Physiology with Lab ³	
EXER 202 Biomechanics with Lab ³	
BIOL 309 Human Anatomy and Physiology II ³	4
CHEM 108 General Chemistry II	4
& CHEM 112 and General Chemistry II Lab	
Rock Studies 2 Requirements OR Elective (p. 19)	6
Hours	17

Third Year**Fall**

EXER 300 Research Methods in Exercise Science ³	3
EXER 301 Aerobic Exercise Leadership ³	3
EXER 302 Exercise Leadership: Resistance Training ³	3
Psychology Course (See My Rock Audit for options)	3
Rock Studies 2 Requirements (p. 19)	3
Hours	15

Spring

EXER 400 Wellness Coaching and Program Management ³	3
EXER 401 Fitness Assessment ³	3
EXER 402 Exercise Prescription ³	3
EXER 403 Advanced Exercise Physiology ³	3
Rock Studies 2 Requirements (p. 19)	3
Hours	15

Fourth Year**Fall**

EXER 410 Clinical Exercise Physiology ³	3
EXER 411 Exercise Science: Special Populations and Conditions ³	3
EXER 412 Exercise Science: Senior Synthesis ³	3
EXER 424 Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)	3
Hours	15

Spring

EXER 450 Exercise Science Internship ^{3,4,5}	12
Hours	12
Total Hours**	124-125

⁴ EXER 450: Exercise Science Internship may be scheduled Only after all prerequisites are met. Also required are a valid First Aid, CPR/AED certification and proof of student professional liability insurance. EXER 412 provides all necessary information pertaining to the internship registration process and is taken the semester prior to internship and students must complete this 12-credit requirement by registering for two sections of this 6-credit hour course in the same semester.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Students should review necessary prerequisite courses for targeted graduate programs at insitutions other than Slippery Rock University. Students should meet with advisor to discuss how to add any additional classes to the recommended plans of studies.

Major Code: 6149

Pre-Physical Therapy SRU Traditional (PT)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8,10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a grade of "C" or better

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

- Policy for earning acceptable grades in the Exercise Science program:
 - A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - If a student does not earn a "C" or better, they will be required to:
 - Retake the course
 - They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - Students will need to meet with their Academic Advisor and change their schedule accordingly
- SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course

repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

- Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
- Policy for changing to the Exercise Science major:
 - A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - A transfer student who enters from another University must have an overall GPA of 2.00.
- Additional costs associated with the Exercise Science major:
 - Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.
 - A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
 - EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT – EXERCISE SCIENCE

1st Major: Exercise Science

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-PA SRU 3+2 Exercise Science

- Overall GPA: 3.25 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	15

Additional Physician Assistant Prerequisite Courses	28
Electives	0

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Physician Assistant prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Physician Assistant SRU 3+2 Exercise Science and are not accepted into the PA program, then EXER 450: Internship is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses (24 credits if accepted to SRU PA Program)		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
Subtotal		24
Total Hours		45

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PHYSICIAN ASSISTANT PREREQUISITE COURSES

Code	Title	Hours
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
Total Hours		28

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements – Pre- Physician Assistant 3+2

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4

CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

EXERCISE SCIENCE - BS (6149)

PRE-PA SRU 3+2 (6SPE)

This program is effective as of Summer 2022

Revised 09.22.2025

UCC 03.01.2022

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
EXER 100	Introduction to Exercise Science: Careers and Content ³	3

CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirements (p. 19)		3
ESAP 101	FYRST Seminar *	1

Hours **18**

Spring

EXER 101	Applied Anatomy/Lab ³	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
STAT 152	Elementary Statistics I ^{1,3}	3
PSYC 105	Introduction to Psychology ^{1,**}	3
Select one of the following:		3-4

BIOL 114 Biology II: Foundations of Molecules,
Genes and Cells with Lab

Rock Studies 2 Requirements (p. 19)

Computer Competency Course (only if needed)	0-1

Hours **16-18**

Second Year

Fall

EXER 201	Exercise Physiology with Lab ³	3
EXER 202	Biomechanics with Lab ³	3
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
Select one of the following:		3-4

BIOL 114 Biology II: Foundations of Molecules,
Genes and Cells with Lab

CHEM 201	Organic Chemistry I	3

Rock Studies 2 Requirements (p. 19)

Rock Studies 2 Requirements (p. 19)	3

*Additional credits beyond 18 requires an extra fee.

Hours **19-20**

Spring

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
BIOL 309	Human Anatomy and Physiology II ³	4
BIOL 250	Genetics with Lab	4
Rock Studies 2 Requirements (p. 19)		3

*Additional credits beyond 18 requires an extra fee

Hours **20**

Third Year

Fall

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
Rock Studies 2 Requirements (p. 19)		6

Hours **18**

Winter

Rock Studies 2 Requirement (Summer/Winter Courses) (p. 19) ⁴	9

Hours **9**

Spring

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
EXER 250 or HCAM 250	Medical Terminology ¹ or Medical Terminology for Healthcare Administrators	3
BIOL 210	Medical Microbiology with Lab	3

Hours **18**

Fourth Year

Fall

Senior Year: If not accepted into SRU PA ⁵

EXER 450	Exercise Science Internship ^{3,6}	12

Hours **12**

Total Hours** **130-133**

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a "C" or better in the course.

⁴ May also be taken in the summer.

⁵ **Senior Year- If not accepted into SRU PA:** If you choose to pursue Exercise Science 3+2 and are not accepted into SRU PA Graduate Program, then EXER 450: Exercise Science Internship (12 credits) is required to complete a first major of Exercise Science. Please refer to the Exercise Science Curriculum Guide.

⁶ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

** Students are encouraged to choose an Rock Studies 2 Thematic Thread that includes PSYC 105.

Students must meet all Exercise Science 3+2 major requirements, SRU PA Program prerequisites, and Rock Studies 2 requirements to apply.

Senior Year- If accepted into the SRU PA: The first two semesters will count as the 4th year of the Exercise Science program. Upon successful completion of the first two semesters of the SRU PA Graduate Program, students will graduate with a BS in Exercise Science. Should an Exercise Science 3+2 student be unsuccessful in completing the two semesters of the SRU PA Graduate Program and wants to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program Department Chair to determine which, if any Physician Assistant courses will count toward the completion of their undergraduate degree. In addition, students must complete EXER 450: Exercise Science Internship (12 credits).

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6149

Pre-Physician Assistant SRU 3+2 (6SPE)

Revised: 09.23.2025

Exercise Science, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Professional Competence:** To utilize knowledge, skills, and abilities to evaluate health behavior and risk factors; develop, implement, and evaluate evidence-based exercise and wellness programs, and employ behavioral strategies to motivate individuals to adopt and maintain positive lifestyle behaviors. UO 3,4,5
- **Professional Interaction and Communication:** To interact and communicate effectively by presenting information in oral and written formats, collaborating with professionals and peers, expressing ideas clearly, and giving and receiving feedback. UO 1
- **Professional Behavior and Involvement:** To model professional behaviors (including preparedness, engagement, and appearance), and demonstrate professional involvement across the major. UO 5,7,9
- **Ethical Reasoning:** To make well-informed and unbiased decisions to enhance the well-being of others. UO 8, 10
- **Critical Thinking:** To demonstrate clear and accurate reasoning to make decisions and solve problems. UO 2

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Academic Policies for Students in the Exercise Science Major

Effective for all Exercise Science Majors beginning Spring 2021

1. Policy for earning acceptable grades in the Exercise Science program:
 - a. A student must earn a grade of "C" or better in ALL Required Basic Courses (EXER 100's, EXER 200's, EXER 300's) and Required Upper Level Courses (EXER 400's, EXER 410's, EXER 424, EXER 450).
 - b. A student must earn a grade of "C" or better in ALL Natural Science and Math College-Wide Requirements (BIOL 216/BIOL 217 or BIOL 209/BIOL 309, STAT 152, PHYS 201).
 - c. The Exercise Science curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
- d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU has a *Repeat of Courses Policy* as follows and it can be found in the course catalog: Repeat of Courses < Slippery Rock University (sru.edu) (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>)
 - a. Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. However, all grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades). The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.
3. Once the student has exceeded the *SRU Repeat of Courses Policy*, the student will no longer remain in the Exercise Science major and all EXER - Exercise Science Major courses will be removed from their schedule. The student should change their major as soon as possible and meet with the new major to register for classes.
4. Policy for changing to the Exercise Science major:
 - a. A Slippery Rock University student wishing to change their major to Exercise Science MUST have an overall GPA of 2.00.
 - b. A transfer student who enters from another University must have an overall GPA of 2.00.
5. Additional costs associated with the Exercise Science major:
 - a. Lab fees will be collected for exercise science classes with a lab component. This fee enhances the department's ability to offer a high-quality program.

- b. A student in the Exercise Science major is required to maintain current CPR/AED, First Aid, and Student Professional Liability Insurance while enrolled in EXER 412 and EXER 450 at their own cost. More information will be provided to students in the upper level EXER courses.
- c. EXER 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Updated March 15, 2023

RELATED LINKS

Exercise Science - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/exercise-science-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT - EXERCISE SCIENCE

Overall GPA: 2.00 or higher

Major GPA (includes Major Requirements and College-Wide Requirements): 2.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	57
	Natural Science and Math College-Wide Requirements	15
	Additional Physician Assistant Prerequisite Courses	28
	Electives	0

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
Physical Science Inquiry		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ^{2,3}		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

³ Additional Physician Assistant prerequisite courses may be fulfilled in a Thematic Thread.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above
- Students may choose to earn a BS in Exercise Science as preparation for graduate studies in many health care related fields. In this case, the student should learn what prerequisites are required for his/her intended graduate program and take those courses as electives while completing the Exercise Science Program.

Code	Title	Hours
Required Basic Courses		
Must earn a "C" or better in the following courses		
EXER 100	Introduction to Exercise Science: Careers and Content ^{1,2}	3
EXER 101	Applied Anatomy/Lab ^{1,2}	3
EXER 201	Exercise Physiology with Lab ^{1,2}	3
EXER 202	Biomechanics with Lab ^{1,2}	3
EXER 300	Research Methods in Exercise Science ^{1,2}	3
EXER 301	Aerobic Exercise Leadership ^{1,2}	3
EXER 302	Exercise Leadership: Resistance Training ^{1,2}	3
Subtotal		21
Required Upper Level Courses		
Must earn a "C" or better in the following courses		
EXER 400	Wellness Coaching and Program Management ^{1,2}	3
EXER 401	Fitness Assessment ^{1,2}	3
EXER 402	Exercise Prescription ^{1,2}	3
EXER 403	Advanced Exercise Physiology ^{1,2}	3
EXER 410	Clinical Exercise Physiology ^{1,2}	3
EXER 411	Exercise Science: Special Populations and Conditions ^{1,2}	3
EXER 412	Exercise Science: Senior Synthesis ^{1,2}	3
EXER 424	Nutrition and Exercise ^{1,2}	3
EXER 450	Exercise Science Internship ^{1,2}	6
EXER 450	Exercise Science Internship ^{1,2}	6
Subtotal		36
Total Hours		57

¹ Course counts toward Major GPA

² Course counts for 50% of Major requirements

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Must earn a "C" or better in the following courses		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
PHYS 201	Elements of Physics I with Lab ¹	4
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course counts toward Major GPA

ADDITIONAL PHYSICIAN ASSISTANT PREREQUISITE COURSES

Code	Title	Hours
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4

BIOL 250	Genetics with Lab	4
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
CHEM 201	Organic Chemistry I	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
CHEM 108	General Chemistry II	4
& CHEM 112	and General Chemistry II Lab	
CHEM 201	Organic Chemistry I	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

Exercise Science - BS (6149)

PRE-PA (SRU Traditional)

Effective Summer 2022

Revised 09.22.2025

UCC 03.01.2022

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
PHYS 201	Elements of Physics I with Lab ^{1,3}	4
PSYC 105	Introduction to Psychology ^{1,**}	3
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirements (p. 19)		3
ESAP 101	FYRST Seminar [*]	1
Hours		17
Spring		
Select one of the following:		3
EXER 100	Introduction to Exercise Science: Careers and Content ³	
EXER 101	Applied Anatomy/Lab ³	
STAT 152	Elementary Statistics I ^{1,3}	3
Rock Studies 2 Requirements (p. 19)		6
Select one of the following:		3-4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab (or Rock Studies 2)	
Rock Studies 2 Requirements (p. 19)		
Computer Competency Course (only if needed)		0-1
Hours		15-17
Second Year		
Fall		
Select one of the following:		3
EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 209	Human Anatomy and Physiology I ^{1,3}	4
Select one of the following:		3-4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Rock Studies 2 Requirements (p. 19)		
Rock Studies 2 Requirements (p. 19)		3
Hours		17-18
Spring		
Select one of the following:		3

EXER 201	Exercise Physiology with Lab ³	
EXER 202	Biomechanics with Lab ³	
BIOL 309	Human Anatomy and Physiology II ³	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
EXER 250	Medical Terminology	3
Rock Studies 2 Requirements (p. 19)		3
Hours		17

Third Year

Fall

EXER 300	Research Methods in Exercise Science ³	3
EXER 301	Aerobic Exercise Leadership ³	3
EXER 302	Exercise Leadership: Resistance Training ³	3
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
Hours		16

Spring

EXER 400	Wellness Coaching and Program Management ³	3
EXER 401	Fitness Assessment ³	3
EXER 402	Exercise Prescription ³	3
EXER 403	Advanced Exercise Physiology ³	3
BIOL 210	Medical Microbiology with Lab ⁴	3
Rock Studies 2 Requirements (p. 19)		3
Hours		18

Fourth Year

Fall

EXER 410	Clinical Exercise Physiology ³	3
EXER 411	Exercise Science: Special Populations and Conditions ³	3
EXER 412	Exercise Science: Senior Synthesis ³	3
EXER 424	Nutrition and Exercise ³	3
Rock Studies 2 Requirements (p. 19)		6
Hours		18

Spring

EXER 450	Exercise Science Internship ^{3,5,6}	12
Hours		12
Total Hours**		130-133

SRU Physician Assistant Program begins in the Summer.

¹ Course satisfies majors and Rock Studies 2 requirements.

² Course offered in multiple subjects; cannot take course in first major subject

³ Must earn a grade of "C" or better

⁴ BIOL 330 is an option, but required an additional prerequisite of BIOL 113 that will need to be added. Meet with your academic advisor to plan appropriately.

⁵ EXER 450: Exercise Science Internship may be scheduled Only after all prerequisites are met. Also required are a valid First Aid, CPR/AED certification and proof of student professional liability insurance. EXER 412 provides all necessary information pertaining to the internship registration process and is taken the semester prior to internship.

⁶ Students must complete this 12 credit requirement by registering for two sections of this 6-cr hour course in the same semester

* Students are encouraged to take ESAP 101 as a Free Elective.

**Students are encouraged to choose a Rock Studies 2 Thematic Thread that includes PSYC 105.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Students should review necessary prerequisite courses for targeted graduate programs at institutions other than Slippery Rock University. Students should meet with advisor to discuss how to add any additional classes to the recommended plan of study.

Major Code: 6149

Pre-Physician Assistant SRU Traditional (PA)

Revised: 09.24.2025

Healthcare Administration and Management

Programs

Majors

- HCAM, Bachelor of Science (BS) - Concentration in Financial Management (p. 439)
- HCAM, Bachelor of Science (BS) - Concentration in Information Systems (p. 442)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership (p. 445)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership - Online (p. 449)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Occupational Therapy (SRU) (3+3) (p. 450)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Occupational Therapy (SRU) (Traditional) (p. 455)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physical Therapy (SRU) (3+3) (p. 458)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physical Therapy (SRU) (Traditional) (p. 462)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physician Assistant (SRU) (3+2) (p. 464)
- HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physician Assistant (SRU) (Traditional) (p. 469)
- HCAM, Bachelor of Science (BS) - Concentration in Legal Environment (p. 472)
- HCAM, Bachelor of Science (BS) - Concentration in Long-Term Care (p. 475)
- HCAM, Bachelor of Science (BS) - Concentration in Marketing and Sales (p. 478)
- HCAM, Bachelor of Science (BS) - Concentration in Medical Device Sales (p. 481)
- HCAM, Bachelor of Science (BS) - Concentration in Quality and Risk Management (p. 485)

Minors

- HCAM, Minor (p. 488)

HCAM, Bachelor of Science (BS) - Concentration in Financial Management

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Finance, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- 2.0 GPA overall or higher to declare HCAM as major
- 2.0 GPA or higher in the major to graduate in HCAM
- 2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Financial Management Core Courses		
ACCT 209	Financial Accounting	3
ACCT 230	Accounting Information Systems	3
ACCT 310	Cost Accounting	3
Select one of the following: ¹		3
MATH 117	Quantitative Reasoning	
MATH 123	Introduction to Applied Calculus	
MATH 225	Calculus I	
FIN 320	(R) ¹	3
FIN 326	¹	3
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 385	Insurance and Cost Containment	3
HCAM 430	Finance for Healthcare Organizations	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
MIS 210	Productivity Software	3
MIS 310	Business Data Analysis and Visualization	3
Additional Required Coursework (12 credits)		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare	3
HLTH 210 or HCAM 200	Introduction to Population Health	0-3
Total Hours		57-60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Financial Management (FINM)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Select one of the following:		3-4
MATH 117	Quantitative Reasoning (RSP)	
MATH 123	Introduction to Applied Calculus (RSP)	
MATH 225	Calculus I (RSP)	
Hours		16-17
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ECON 202	Principles of Microeconomics	3

ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
Hours		15

Second Year**Fall**

HCAM 200 or HLTH 104	Introduction to Population Health or Introduction to Public Health	3
ACCT 209	Financial Accounting	3
Creative & Aesthetic Inquiry (p. 19)		3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15

Spring

HCAM 385	Insurance and Cost Containment	3
ACCT 230	Accounting Information Systems	3
FINA 320	Managerial Finance	3
MIS 210	Productivity Software	3
Thematic Thread Requirement (p. 19)		3
Hours		15

Third Year**Fall**

HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3
MIS 310	Business Data Analysis and Visualization	3
Hours		15

Spring

HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
ACCT 310	Cost Accounting	3
FINA 326	Intermediate Corporate Finance	3
Social Science Inquiry (p. 19)		3
Hours		15

Fourth Year**Fall**

Thematic Thread Requirement (Upper Level) (p. 19)		3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15

Spring

HCAM 450	Internship-Health Care Administration & Management	3-12
HCAM 499	Health Care Theory and Research Capstone Seminar	3

Elective (Recommend HCAM or in Minor)	3
Elective (Recommend HCAM or in Minor)	3
Elective (Recommend HCAM or in Minor)	3
Hours	15-24
Total Hours**	121-131

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: FINM

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Information Systems

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):

- Recognize will ethical dilemmas in healthcare.
- Recognize key healthcare legal and regulatory environment parameters.
- Demonstrate discern viable options for ethical guided decision-making processes.
- Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Information Systems, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 GPA overall or higher to declare HCAM as major

2.0 GPA or higher in the major to graduate in HCAM

2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12

Required Thematic Thread Coursework:

ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Information Systems Core Courses		
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare ¹	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
MIS 323	Data Base Systems ¹	3
MIS 403	Introduction to Healthcare Information Systems ¹	3
MIS 413	Systems Analysis ¹	3
MIS 443	Project Management ¹	3

Subtotal		24
Additional Required Coursework		
ACCT 209	Financial Accounting ¹	3
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 385	Insurance and Cost Containment	3
Select one of the following: ¹		3
ECON 312	Critical Choices in Health Care Policy	
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
HLTH 210	¹	3
or HCAM 200	Introduction to Population Health	
Subtotal		24
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Information Systems (INSY)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
HCAM 200 or HLTH 104	Introduction to Population Health or Introduction to Public Health	3
MIS 210	Productivity Software	3
SCI 102	Understanding the Physical World	3
ECON 202	Principles of Microeconomics (Thematic Thread Requirement)	3
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
HCAM 385	Insurance and Cost Containment	3
ACCT 209	Financial Accounting	3
MIS 323	Data Base Systems	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 430	Finance for Healthcare Organizations	3
MIS 310	Business Data Analysis and Visualization	3
MIS 413	Systems Analysis	3
Hours		15

Spring

HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
MIS 403	Introduction to Healthcare Information Systems	3
MIS 443	Project Management	3
Hours		15

Fourth Year

Fall

HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15

Spring

HCAM 450	Internship-Health Care Administration & Management	3-12
HCAM 499 or HCAM 450	Health Care Theory and Research Capstone Seminar or Internship-Health Care Administration & Management	3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15-24
Total Hours**		121-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: INFM

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Leadership

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):

- Health care system structures.
- Reimbursement/payment models.
- Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)

- iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Leadership, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 GPA overall or higher to declare HCAM as major

2.0 GPA or higher in the major to graduate in HCAM

2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		

Subtotal	15
Integrated Inquiry	
<i>Creative and Aesthetic Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Sciences Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Required Thematic Thread Coursework:	
ECON 202 Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Leadership Core Courses		
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare ¹	3
HCAM 425	Long Term Care Management ¹	3
HCAM 470	Healthcare Practice Management ¹	3
HLTH 210 ¹ or HCAM 200	Introduction to Population Health	3
MGMT 320	Operations Management	3
MGMT 354	Human Resources Management	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
Additional Required Coursework		
ACCT 209	Financial Accounting ¹	3
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 385	Insurance and Cost Containment	3
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
HCAM 300 or ECON 312	Healthcare Systems: Global Perspectives and Analysis ¹	3
Subtotal		48
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development

7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Leadership (LSHP)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
STAT 152	Elementary Statistics I	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
HCAM 200 or HLTH 104	Introduction to Population Health or Introduction to Public Health	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Declare a Thematic Thread ²		
Hours		15

Spring

HCAM 385	Insurance and Cost Containment	3
ACCT 209	Financial Accounting	3
ECON 202	Principles of Microeconomics	3
MIS 210	Productivity Software	3
MGMT 320	Operations Management	3
Hours		15

Third Year

Fall

HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 430	Finance for Healthcare Organizations	3
HCAM 470	Healthcare Practice Management	3
MIS 310	Business Data Analysis and Visualization	3
Hours		15

Spring

HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 425	Long Term Care Management	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
MGMT 354	Human Resources Management	3
Hours		15

Fourth Year

Fall

HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15

Spring

HCAM 499 or HCAM 450	Health Care Theory and Research Capstone Seminar or Internship-Health Care Administration & Management	3
HCAM 450	Internship-Health Care Administration & Management	3-12
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommended HCAM or in Minor)		3
Elective (Recommended HCAM or in Minor)		3
Hours		15-24
Total Hours**		121-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: LSHP

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Leadership - Online PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Related Links

Online Degree Completion Undergraduate Programs Page (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

2.0 GPA overall or higher to declare HCAM as major

2.0 GPA or higher in the major to graduate in HCAM

2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Students must complete a sum total of 42 SRU Rock Studies 2-based credits. There are no specific requirements.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
	Complete one of the following:	0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements ¹

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
ACCT 209	Financial Accounting	3
HCAM 200	Introduction to Population Health	3
	or HLTH 210	
HCAM 230	US Healthcare Systems	3
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
	or ECON 312	Critical Choices in Health Care Policy

HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 385	Insurance and Cost Containment	3
HCAM 400	Legal Environment of Healthcare	3
or ACCT 400	Legal Environment of Healthcare	
HCAM 430	Finance for Healthcare Organizations	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
HCAM 499	Health Care Theory and Research Capstone Seminar	3
MIS 210	Productivity Software	3
Select one of the following:		3
ECON 219	Business Analytics I	
MGMT 219	Business Analytics I	
STAT 152	Elementary Statistics I	
Subtotal		45
Leadership Concentration Courses		
HCAM 470	Healthcare Practice Management	3
MGMT 320	Operations Management	3
MGMT 354	Human Resources Management	3
MIS 403	Introduction to Healthcare Information Systems	3
Select one of the following:		3
HCAM 425	Long Term Care Management	
HCAM 195	Health Care Workshop	
HCAM 295	Health Care Workshop	
HCAM 395	Health Care Workshop	
HCAM 495	Health Care Workshop	
HCAM 198	Selected Topics	
HCAM 298	Selected Topics	
HCAM 398	Selected Topics	
HCAM 498	Selected Topics	
Subtotal		15
Total Hours		60

¹ Courses count for 50% of Major requirements and Major GPA

² Students must complete ECON 202 (or transfer in the equivalent) to meet the required prerequisite for ECON 312.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development

5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2340)
Concentration in Leadership (LDRO)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Occupational Therapy (SRU) (3+3)

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

PROGRAM LEARNING OUTCOMES

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
 - (UG 02, UG 10)
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
 - (UG 01, UG 05, UG 08, UG 09)

- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
 - (UG 02, UG 04)
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
 - (UG 02, UG 05, UG 07, UG 08, UG 09)
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
 - (UG 02, UG 09)
- **Organizational Dynamics:** Students will articulate an applied understanding of:
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.
 - (UG 05, UG 07, UG 08, UG 09)

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for students entering the major Fall 2017 and after

1. Policy for achieving and maintaining "Sufficient Academic Performance"¹
 - a. At the end of the semester in which a student has earned 40 credits (and every semester thereafter), the Major and Overall GPA will be reviewed:
 - i. A student must earn a 2.50 Major GPA to achieve "Sufficient Academic Performance" and continue in the HCAM major.
 - ii. A student earning below a 2.50 in the Major GPA at any time after earning 40 credits will be placed on a "one semester probation."² He/she must increase his/her GPA to 2.50 or higher by the end of the "one semester probation" or be **permanently** removed from the HCAM major. The student will be notified by email of his/her status following the "one semester probation." A student who has not achieved "Sufficient Academic Performance" will have his/her major changed to Exploratory.
 - iii. A student can be placed on a "one semester probation" a maximum of two times as an HCAM major. He/she will be **permanently** removed from the HCAM major if his/her Major GPA drops below a 2.50 a third time.
 - iv. A student on a "one semester probation" may not enroll in required 400 Level Courses unless he/she is repeating the course(s).

- b. A transfer student who enters from another university or a Slippery Rock University student who changes his/her major to HCAM:
 - i. With 40 or more earned credits will have a one-semester extension before his/her Major GPA are reviewed to determine if he/she has achieved "Sufficient Academic Performance".
 - ii. With less than 40 earned credits will follow Policy I. A above.
 - c. An incoming FYRST student earning college credits prior to entering SRU may reach 40 credits before completing two semesters at SRU. In this case, the review to determine "Sufficient Academic Performance" will not begin until the student has completed two semesters as a student in the HCAM major.
2. Policy for earning acceptable grades in Required 400 Level Courses
 - a. A student must earn a grade of "C" or better in Required 400 Level Courses.
 - b. A student will not be permitted to begin an internship unless he/she has "Sufficient Academic Performance" and he/she has earned a grade of "C" or better in Required 400 Level Courses.
 - c. A student must also earn a grade of "C" or better in HCAM 305, HCAM 400, HCAM 410³, HCAM 430 and MIS 403 before he/she is allowed to take HCAM 499⁴ and HCAM 450⁴.
 3. Policy for changing to the HCAM major
 - a. A Slippery Rock University student wishing to change his/her major to Health Care Administration and Management must have an overall GPA of 2.00.
 4. Additional costs associated with the HCAM major
 - a. A student in the HCAM major is required to maintain a current Student Professional Liability Insurance and meet any immunization or physical requirements set forth by an internship employer while enrolled in HCAM 450 at his/her own cost.

¹ "Sufficient Academic Performance" is defined as having a Major GPA of 2.50 or higher. The Major GPA is comprised of Required Basic Courses, Required 300 and 400 Level HCAM Courses. Please see My Rock Audit for specific courses.

² "One semester probation" is defined as the initial semester after which "Sufficient Academic Performance" was not achieved and the first occurring summer.

³ If taken – HCAM 410 is an elective for non 3+2 PA or 3+3 PT majors

⁴ If required – not required for 3+2 PA or 3+3 PT majors

Related Links

Healthcare Administration and Management - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

1st Major: HCAM

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

2nd Major: Pre-OT 3+3 HCAM

- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		44
Other Basic Requirements		0-3
Major Requirements		52
Electives		24

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical & Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
PSYC 105	Introduction to Psychology (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- If you choose to pursue Pre-Occupational Therapy SRU 3+3 Health Care Administration and Management (HCAM) and are not accepted into the OTD program, then the following additional HCAM courses are required to complete a first major of HCAM: HCAM Internship (HCAM 450) – **Plus** – courses necessary to satisfy the Leadership specialty track. Please refer to the HCAM curriculum guide.

Code	Title	Hours
Required Basic Courses		
ACCT 209	Financial Accounting ¹	3
HCAM 230	US Healthcare Systems ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ^{1,2}	3
HLTH 104	Introduction to Public Health ¹	3
	or HCAM 200 Introduction to Population Health	
MIS 210	Productivity Software ¹	3
Subtotal		15

Required Upper Level Courses (24 credits if accepted to SRU DOT Program) ²

Must have achieved “Sufficient Academic Performance” to take these courses. Must earn a “C” or better in all of the following courses:		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 400	Legal Environment of Healthcare ¹	3
	or ACCT 400 Legal Environment of Healthcare	
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 470	Healthcare Practice Management	3

HCM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
HCM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		24
Additional Occupational Therapy Prerequisite Courses		
(see below for all Admission Requirements)		
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
Select three credits of the following:		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
SOWK 105	Human Diversity	
Select three credits of the following:		3
PSYC 240	Human Sexual Behavior	
PSYC 244	Developmental Psychology	
PSYC 276	Introduction to Abnormal Psychology	
Subtotal		13
Total Hours		52

¹ Course counts for 50% of Major and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Participation in student organizations
3. International study programs (short-term, semester, and year-long)
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Service-learning classes
8. Career education and development

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements – Pre-Occupational Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Anthropology or Sociology ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Pre-Occupational Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Occupational Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Occupational Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Occupational Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Occupational Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Occupational Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)
Concentration in Leadership 3+3 Pre-OT (LSHP) (230T)
Effective: Summer 2022
Revised 10.10.2023
UCC 09.05.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing **	3
RCTH 120	Disability, Community Inclusion, and Diversity	3
ESAP 101	FYRST Seminar ¹	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹ **	3
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
PHYS 201	Elements of Physics I with Lab **	4
PSYC 105	Introduction to Psychology **	3
ENGL 104	Critical Reading	3
Humanities Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
HCAM 200	Introduction to Population Health	3
BIOL 209	Human Anatomy and Physiology I	4
EXER 250	Medical Terminology	3
PSYC 276 or PSYC 244	Introduction to Abnormal Psychology or Developmental Psychology	3

Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		16
Spring		
ACCT 209	Financial Accounting	3
BIOL 309	Human Anatomy and Physiology II	4
ECON 202	Principles of Microeconomics	3
MIS 210	Productivity Software	3
Thematic Thread Requirement (Upper Division) (p. 19)		3
Hours		16
Third Year		
Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3
HCAM 470	Healthcare Practice Management	3
Hours		15
Spring		
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
HCAM 499	Health Care Theory and Research Capstone Seminar	3
Creative & Aesthetic Inquiry (p. 19)		3
Thematic Thread Requirement (Upper Division) (p. 19) ⁴		3
Hours		15
Total Hours**		94

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ **Senior Year- If not accepted into SRU OT Program:** If you choose to pursue Health Care Administration and Management 3+3 Pre-Occupational Therapy program and are not accepted into the graduate SRU Occupational Therapy program, then additional coursework is required, please refer to the Health Care Administration and Management, Leadership Concentration Curriculum Guide.

⁴ Suggest student take one of the following: HIST 364 OR RCTH 364 OR PHED 342 OR PSYC 244

* Course offered in multiple subjects; cannot take course in first major subject.

**Rock Studies 2 Program

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: LSHP

2ND Major: 230T

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Occupational Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Organizational Dynamics:** Students will articulate an applied understanding of:
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

RELATED LINKS

Healthcare Administration and Management - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: HCAM

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Electives		17

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Leadership Core Courses		
HCAM 200	Introduction to Population Health ¹	3
or HLTH 210		
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 400	Legal Environment of Healthcare ¹	3
or ACCT 400		
HCAM 425	Long Term Care Management ¹	3
HCAM 470	Healthcare Practice Management ¹	3
MGMT 320	Operations Management ¹	3
MGMT 354	Human Resources Management ¹	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
Subtotal		30
Additional Required Coursework		
ACCT 209	Financial Accounting ¹	3
FIN 329		
HCAM 265	Introduction to Insurance and Managed Care	3

HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
or ECON 312	Critical Choices in Health Care Policy	
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
Subtotal		15
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXSC 250		3
INDP 202		0-3
or INDP 106	Race and Ethnic Diversity in the USA	
or INDP 310	Cultural Area Studies	
or INDP 321	Minority Groups	
or SOWK 105	Human Diversity	
PHYS 201	Elements of Physics I with Lab	3-4
or RCTH 364	Biomechanics of Individuals with Disabilities	
PSYC 105	Introduction to Psychology	3
PSYC 240	Human Sexual Behavior	3
or PSYC 244	Developmental Psychology	
or PSYC 276	Introduction to Abnormal Psychology	

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Leadership Traditional Pre-OT (LSHP)

Revised 10.10.2023

UCC 09.05.2023

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre- Physical Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
 - (UG 02, UG 10)
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
 - (UG 01, UG 05, UG 08, UG 09)
- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
 - (UG 02, UG 04)
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
 - (UG 02, UG 05, UG 07, UG 08, UG 09)
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
 - (UG 02, UG 09)
- **Organizational Dynamics:** Students will articulate an applied understanding of:
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.
 - (UG 05, UG 07, UG 08, UG 09)

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for students entering the major Fall 2017 and after

1. Policy for achieving and maintaining "Sufficient Academic Performance"¹
 - a. At the end of the semester in which a student has earned 40 credits (and every semester thereafter), the Major and Overall GPA will be reviewed:
 - i. A student must earn a 2.50 Major GPA to achieve "Sufficient Academic Performance" and continue in the HCAM major.
 - ii. A student earning below a 2.50 in the Major GPA at any time after earning 40 credits will be placed on a "one semester probation."² He/she must increase his/her GPA to 2.50 or higher by the end of the "one semester probation" or be **permanently** removed from the HCAM major. The student will be notified by email of his/her status following the "one semester probation." A student who has not achieved "Sufficient Academic Performance" will have his/her major changed to Exploratory.
 - iii. A student can be placed on a "one semester probation" a maximum of two times as an HCAM major. He/she will be **permanently** removed from the HCAM major if his/her Major GPA drops below a 2.50 a third time.
 - iv. A student on a "one semester probation" may not enroll in required 400 Level Courses unless he/she is repeating the course(s).
 - b. A transfer student who enters from another university or a Slippery Rock University student who changes his/her major to HCAM:
 - i. With 40 or more earned credits will have a one-semester extension before his/her Major GPA are reviewed to determine if he/she has achieved "Sufficient Academic Performance".
 - ii. With less than 40 earned credits will follow Policy I. A above.
 - c. An incoming FYRST student earning college credits prior to entering SRU may reach 40 credits before completing two semesters at SRU. In this case, the review to determine "Sufficient Academic Performance" will not begin until the student has completed two semesters as a student in the HCAM major.
2. Policy for earning acceptable grades in Required 400 Level Courses
 - a. A student must earn a grade of "C" or better in Required 400 Level Courses.

- b. A student will not be permitted to begin an internship unless he/she has "Sufficient Academic Performance" and he/she has earned a grade of "C" or better in Required 400 Level Courses.
- c. A student must also earn a grade of "C" or better in HCAM 305, HCAM 400, HCAM 410³, HCAM 430 and MIS 403 before he/she is allowed to take HCAM 499⁴ and HCAM 450⁴.
3. Policy for changing to the HCAM major
 - a. A Slippery Rock University student wishing to change his/her major to Health Care Administration and Management must have an overall GPA of 2.00.
4. Additional costs associated with the HCAM major
 - a. A student in the HCAM major is required to maintain a current Student Professional Liability Insurance and meet any immunization or physical requirements set forth by an internship employer while enrolled in HCAM 450 at his/her own cost.

¹ "Sufficient Academic Performance" is defined as having a Major GPA of 2.50 or higher. The Major GPA is comprised of Required Basic Courses, Required 300 and 400 Level HCAM Courses. Please see My Rock Audit for specific courses.

² "One semester probation" is defined as the initial semester after which "Sufficient Academic Performance" was not achieved and the first occurring summer.

³ If taken – HCAM 410 is an elective for non 3+2 PA or 3+3 PT majors

⁴ If required – not required for 3+2 PA or 3+3 PT majors

Related Links

Healthcare Administration and Management - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

1st Major: HCAM

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

2nd Major: PT 3+3 HCAM

- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	39
	Electives	37

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical & Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
PSYC 105	Introduction to Psychology (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- If you choose to pursue Pre-Physical Therapy SRU 3+3 Health Care Administration and Management (HCAM) and are not accepted into the PT program, then the following additional HCAM courses are required to complete a first major of HCAM: HCAM Internship (HCAM 450 (<https://catalog.sru.edu/archive/2025-2026/search/?P=HCAM%20450>)) – **Plus** – courses necessary to satisfy the Leadership Concentration. Please refer to the HCAM curriculum guide.

Code	Title	Hours
Required Basic Courses		
ACCT 209	Financial Accounting ¹	3
HCAM 200	Introduction to Population Health	3
or HLTH 104	Introduction to Public Health	
HCAM 230	US Healthcare Systems ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ^{1,2}	3
MIS 210	Productivity Software ¹	3
STAT 152	Elementary Statistics I ¹	3
Subtotal		18
Required Upper Level Courses (21 credits if accepted to SRU DPT Program) ²		
Must have achieved "Sufficient Academic Performance" to take these courses. Must earn a "C" or better in all of the following ACCT, HCAM, MIS and PHIL courses:		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics ^{1,3}	3
HCAM 400	Legal Environment of Healthcare ^{1,3}	3
or ACCT 400	Legal Environment of Healthcare	
HCAM 430	Finance for Healthcare Organizations ^{1,3}	3
HCAM 470	Healthcare Practice Management	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
Subtotal		21
Total Hours		39

¹ Course counts for 50% of Major and Major GPA

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

³ See advisor for 600-level course options.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
PHYS 202	Elements of Physics II/ Lab	4
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in accounting, economics and finance. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

**Doctor of Physical Therapy (DPT)
Prerequisite Admission Requirements – Pre-Physical
Therapy SRU 3+3****For Application Requirements**

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT (<http://www.sru.edu/PT/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3

PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Requirements for Pre-Physical Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physical Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physical Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (fall or spring) of the Doctor of Physical Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physical Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Physical Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)
Concentration in Leadership 3+3 Pre-PT (LSHP) (23PT)

Effective: Summer 2023

Revised 07.09.2025

UCC 09.05.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab **	4
ENGL 102	Critical Writing **	3
ESAP 101	FYRST Seminar ¹	1
MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹ **	3
Hours		17

Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
COMM 200	Civil Discourse: Theory & Practice **	3
ENGL 104	Critical Reading **	3
Creative & Aesthetic Inquiry (p. 19) **		3
Hours		16

Second Year

Fall		
HCAM 200	Introduction to Population Health	3
BIOL 209	Human Anatomy and Physiology I	4
PSYC 105	Introduction to Psychology **	3
Humanities Inquiry (p. 19) **		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		16

Spring		
ACCT 209	Financial Accounting	3
BIOL 309	Human Anatomy and Physiology II	4
ECON 202	Principles of Microeconomics	3
STAT 152	Elementary Statistics I **	3
Thematic Thread Requirement (Upper Division) (p. 19)		3
Hours		16

Third Year

Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3
PHYS 201	Elements of Physics I with Lab	4
Hours		16

Spring		
HCAM 400	Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
PHYS 202	Elements of Physics II/ Lab	4
PSYC 244 or PSYC 276	Developmental Psychology or Introduction to Abnormal Psychology	3
Thematic Thread Requirement (p. 19) ⁴		3
Hours		16
Total Hours**		97

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ **Senior Year- If not accepted into SRU PT Program:** If you choose to pursue Health Care Administration and Management 3+3 Pre-Physical Therapy program and are not accepted into the graduate SRU Physical Therapy program, then additional coursework is required, please

refer to the Health Care Administration and Management, Leadership Concentration Curriculum Guide.

⁴ Students are recommended to take HIST 364 OR RCTH 364 OR PHED 342 OR PSYC 334

* Course offered in multiple subjects; cannot take course in first major subject.

** Rock Studies 2 Program

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2346

Concentration Code: LSHP

2ND Major: 23PT

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physical Therapy (SRU) (Traditional)

HCAM Program Learning Outcomes

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.

• **Organizational Dynamics:** Students will articulate an applied understanding of:

- Organizational mission, vision, and culture.
- Behaviors associated with organizational commitment and job performance.

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for

students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Computer Competency	0-3
	Major/Concentration Requirements	60
	Electives	17

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ²	12
ECON 202	Principles of Microeconomics

Total Hours **42**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
<i>Leadership Core Courses</i>		
HCAM 275	¹	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 400	Legal Environment of Healthcare ¹	3
or ACCT 400	Legal Environment of Healthcare	
HCAM 425	Long Term Care Management ¹	3
HCAM 470	Healthcare Practice Management ¹	3
HLTH 210	¹	3
or HCAM 200	Introduction to Population Health	
MGMT 320	Operations Management ¹	3

MGMT 354	Human Resources Management ¹	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
Additional Required Coursework:		
ACCT 209	Financial Accounting ¹	3
FIN 329	¹	3
HCAM 265	Introduction to Insurance and Managed Care ¹	3
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis ¹	3
or ECON 312	Critical Choices in Health Care Policy	
Subtotal		48
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Physical Therapy Prerequisite Courses

Code	Title	Hours
BIOL 217	Anatomy and Physiology II with Lab	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
EXSC 250		3
PHYS 202	Elements of Physics II/ Lab	4
PSYC 240	Human Sexual Behavior	3
or PSYC 244	Developmental Psychology	

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/ (<http://www.sru.edu/PT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152	Elementary Statistics I	3
or BIOL 325	Biostatistics and Experimental Design with Lab	
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
or PSYC 276	Introduction to Abnormal Psychology	
Total Hours		31-33

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Leadership Traditional Pre-PT SRU

Revised 11.01.2022

UCC 02.15.2022

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre- Physician Assistant (SRU) (3+2)

PROGRAM LEARNING OUTCOMES

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- (UG 02, UG 10)

- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
 - (UG 01, UG 05, UG 08, UG 09)
 - **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
 - (UG 02, UG 04)
 - **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
 - (UG 02, UG 05, UG 07, UG 08, UG 09)
 - **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
 - (UG 02, UG 09)
 - **Organizational Dynamics:** Students will articulate an applied understanding of:
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.
 - (UG 05, UG 07, UG 08, UG 09)
- a. At the end of the semester in which a student has earned 40 credits (and every semester thereafter), the Major and Overall GPA will be reviewed:
 - i. A student must earn a 2.50 Major GPA to achieve "Sufficient Academic Performance" and continue in the HCAM major.
 - ii. A student earning below a 2.50 in the Major GPA at any time after earning 40 credits will be placed on a "one semester probation."² He/she must increase his/her GPA to 2.50 or higher by the end of the "one semester probation" or be **permanently** removed from the HCAM major. The student will be notified by email of his/her status following the "one semester probation." A student who has not achieved "Sufficient Academic Performance" will have his/her major changed to Exploratory.
 - iii. A student can be placed on a "one semester probation" a maximum of two times as an HCAM major. He/she will be **permanently** removed from the HCAM major if his/her Major GPA drops below a 2.50 a third time.
 - iv. A student on a "one semester probation" may not enroll in required 400 Level Courses unless he/she is repeating the course(s).
 - b. A transfer student who enters from another university or a Slippery Rock University student who changes his/her major to HCAM:
 - i. With 40 or more earned credits will have a one-semester extension before his/her Major GPA are reviewed to determine if he/she has achieved "Sufficient Academic Performance".
 - ii. With less than 40 earned credits will follow Policy I. A above.
 - c. An incoming FYRST student earning college credits prior to entering SRU may reach 40 credits before completing two semesters at SRU. In this case, the review to determine "Sufficient Academic Performance" will not begin until the student has completed two semesters as a student in the HCAM major.

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for students entering the major Fall 2017 and after

1. Policy for achieving and maintaining "Sufficient Academic Performance"¹

2. Policy for earning acceptable grades in Required 400 Level Courses
 - a. A student must earn a grade of "C" or better in Required 400 Level Courses.
 - b. A student will not be permitted to begin an internship unless he/she has "Sufficient Academic Performance" and he/she has earned a grade of "C" or better in Required 400 Level Courses.
 - c. A student must also earn a grade of "C" or better in HCAM 305, HCAM 400, HCAM 410³, HCAM 430 and MIS 403 before he/she is allowed to take HCAM 499⁴ and HCAM 450⁴.
3. Policy for changing to the HCAM major
 - a. A Slippery Rock University student wishing to change his/her major to Health Care Administration and Management must have an overall GPA of 2.00.
4. Additional costs associated with the HCAM major
 - a. A student in the HCAM major is required to maintain a current Student Professional Liability Insurance and meet any immunization or physical requirements set forth by an internship employer while enrolled in HCAM 450 at his/her own cost.

¹ "Sufficient Academic Performance" is defined as having a Major GPA of 2.50 or higher. The Major GPA is comprised of Required Basic Courses, Required 300 and 400 Level HCAM Courses. Please see My Rock Audit for specific courses.

² "One semester probation" is defined as the initial semester after which "Sufficient Academic Performance" was not achieved and the first occurring summer.

³ If taken – HCAM 410 is an elective for non 3+2 PA or 3+3 PT majors
⁴ If required – not required for 3+2 PA or 3+3 PT majors

Related Links

Healthcare Administration and Management - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

1st Major: HCAM

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

2nd Major: Pre-PA SRU 3+2 HCAM

- Overall GPA: 3.25 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		44
Other Basic Requirements		0-3
Major Requirements		36
Electives		40

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical & Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
PSYC 105	Introduction to Psychology (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- If you choose to pursue Pre-Physician Assistant (PA) SRU 3+2 Health Care Administration and Management and are not accepted into the PA program, then the following additional HCAM courses are required to complete a first major of Health Care Administration and Management (HCAM). You will be required to successfully complete the HCAM capstone course (HCAM 499), HCAM internship (HCAM 450) - **Plus** - courses necessary to satisfy the Leadership concentration. Please see the HCAM curriculum guide.

Code	Title	Hours
Required Basic Courses		
ACCT 209	Financial Accounting ¹	3

HCAM 200 or HLTH 104	Introduction to Population Health ¹ Introduction to Public Health	3
HCAM 230	US Healthcare Systems ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ^{1,2}	3
MIS 210	Productivity Software ¹	3
Subtotal		15
Required Upper Level Courses (21 credits if accepted to SRU PA Program)		
Must have achieved "Sufficient Academic Performance" to take these courses. Must earn a "C" or better in all of the following ACCT, HCAM, MIS and PHIL courses:		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ^{1,3}	3
HCAM 360	Healthcare Organizational Dynamics ^{1,3}	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare ^{1,3} Legal Environment of Healthcare	3
HCAM 430	Finance for Healthcare Organizations ^{1,3}	3
HCAM 470	Healthcare Practice Management	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
Subtotal		21
Total Hours		36

¹ Course counts for 50% of Major requirements and Major GPA.

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

³ See adviser for 600 level course options.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Physician Assistant Prerequisite Courses

Code	Title	Hours
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
Total Hours		25

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements – Pre- Physician Assistant 3+2

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate

degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Leadership 3+2 Pre-PA (LHSP) (23PA)

Effective: Summer 2022

Revised 07.09.2025

UCC 09.05.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab **	4
ENGL 102	Critical Writing **	3
ESAP 101	FYRST Seminar ¹	1
MIS 210	Productivity Software	3
SUBJ 139	Foundations of Academic Discovery ¹ **	3
Hours		17
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 108 or CHEM 112	General Chemistry II or General Chemistry II Lab	1-3
ENGL 104	Critical Reading **	3
EXER 250	Medical Terminology	3
Hours		14-16
Second Year		
Fall		
HCAM 200	Introduction to Population Health	3
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

BIOL 209	Human Anatomy and Physiology I	4
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		16
Spring		
ACCT 209	Financial Accounting	3
ECON 202	Principles of Microeconomics	3
BIOL 250	Genetics with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
PSYC 105	Introduction to Psychology	3
STAT 152	Elementary Statistics I **	3
**Additional fees will apply if student takes over 18 credits.		
Hours		20
Third Year		
Fall		
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3
HCAM 470	Healthcare Practice Management	3
CHEM 201	Organic Chemistry I	3
Thematic Thread Requirement (Upper Division) (p. 19)		3
Hours		18
Spring		
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
BIOL 210/330	Medical Microbiology with Lab	3
Humanities Inquiry (p. 19) **		3
Social Science Inquiry (p. 19) **		3
Thematic Thread Requirement (p. 19) ⁴		3
Hours		18
Fourth Year		
Fall		
Senior Year: If not accepted into SRU PA ³		
HCAM 499	Health Care Theory and Research Capstone Seminar	3
HCAM 450	Internship-Health Care Administration & Management	3-12
MGMT 320	Operations Management	3
Hours		9-18
Spring		
Senior Year: If not accepted into SRU PA ³		
MGMT 354	Human Resources Management	3
HCAM Leadership Concentration Elective		3
Free Elective (Recommended HCAM or in Minor)		3
Hours		9
Total Hours**		121-132

* Course offered in multiple subjects; cannot take course in first major subject.

¹ Students are encouraged to take ESAP 101 as a Free Elective.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ **Senior Year- If not accepted into SRU PA Program:** If you choose to pursue Health Care Administration and Management 3+2 Pre-Physician Assistant program and are not accepted into the graduate SRU Physician Assistant program, then additional coursework is required, please refer to the Health Care Administration and Management, Leadership Concentration Curriculum Guide.

⁴ Suggest student take one of the following: HIST 364 OR RCTH 364 OR PHED 342 OR PSYC 244

**Rock Studies 2 Program

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

MAJOR CODE: 2346 (LSHP/23PA)

Revised 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Leadership / Pre-Physician Assistant (SRU) (Traditional)

program Learning Outcomes

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:

- Health care system structures.
- Reimbursement/payment models.
- Factors associated with population health.
- **Organizational Dynamics:** Students will articulate an applied understanding of:

- Organizational mission, vision, and culture.
- Behaviors associated with organizational commitment and job performance.

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.

- c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

1st Major: HCAM

- Overall GPA: 2.0 or higher
- Major GPA (includes Major Requirements): 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		51
Electives		26

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
ECON 202	Principles of Microeconomics	
Total Hours		42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Leadership Core Courses		
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 400	Legal Environment of Healthcare ¹	3

or ACCT 400	Legal Environment of Healthcare	
HCAM 425	Long Term Care Management ¹	3
HCAM 470	Healthcare Practice Management ¹	3
HLTH 210	¹	0-3
or HCAM 200	Introduction to Population Health	
MGMT 320	Operations Management ¹	3
MGMT 354	Human Resources Management ¹	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
Additional Required Coursework:		
ACCT 209	Financial Accounting ¹	3
FIN 329	¹	
HCAM 265	Introduction to Insurance and Managed Care ¹	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis ¹	3
or ECON 312	Critical Choices in Health Care Policy	
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
Subtotal		42-45
Total Hours		54-57

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Physician Assistant Prerequisite Courses

Code	Title	Hours
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 250	Genetics with Lab	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 201	Organic Chemistry I	3
EXSC 250		3
PSYC 105	Introduction to Psychology	3

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development

7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Leadership Traditional PRE-PA

Effective Summer 2022

Revised 10.10.2023

UCC 09.05.2023

HCAM, Bachelor of Science (BS) - Concentration in Legal Environment

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.

- c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
- d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Legal Environment, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- 2.0 GPA overall or higher to declare HCAM as major
- 2.0 GPA or higher in the major to graduate in HCAM
- 2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Legal Environment Core Courses		
ACCT 340	Legal Environment of Business ¹	3
CSS 370	Fraud Law and Report Writing ¹	3
	or COMM 410 Communication Law	
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 385	Insurance and Cost Containment	3
HCAM 400	Legal Environment of Healthcare ¹	3
	or ACCT 400 Legal Environment of Healthcare	
PHIL 113	Formal Logic ¹	3
POLS 223	¹	3
POLS 359		3
POLS 403	¹	3
	or ACCT 451 Employment Law	
	or MGMT 451 Employment Law	
Subtotal		30
Additional Required Coursework		
ACCT 209	Financial Accounting ¹	3
HCAM 200	Introduction to Population Health ¹	3
	or HLTH 210	
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
MIS 210	Productivity Software ¹	3
Subtotal		18
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Legal Environment (LEEN)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
PHIL 113	Formal Logic	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15

Second Year

Fall

HCAM 200 or HLTH 104	Introduction to Population Health or Introduction to Public Health	3
MIS 210	Productivity Software	3
POLS 223 or ACCT 209	or Financial Accounting	3
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		15

Spring

HCAM 385	Insurance and Cost Containment	3
HCAM 250 or EXSC 250	Medical Terminology for Healthcare Administrators	3
ACCT 209 or POLS 223	Financial Accounting or	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Hours		15

Third Year

Fall

HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3
ACCT 340	Legal Environment of Business	3
Hours		15

Spring

HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
POLS 359		3
POLS 403 or ACCT 451 or MGMT 451	or Employment Law or Employment Law	3
Humanities Inquiry (p. 19)		3
Hours		15

Fourth Year

Fall

Select one of the following:		3
Thematic Thread Requirement (Upper Level) (p. 19)		
COMM 410 or CSS 370	Communication Law or Fraud Law and Report Writing	
Thematic Thread Requirement (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15

Spring

HCAM 499 or HCAM 450	Health Care Theory and Research Capstone Seminar or Internship-Health Care Administration & Management	3
HCAM 450	Internship-Health Care Administration & Management	3-12
CSS 370 or COMM 410	Fraud Law and Report Writing or Communication Law	3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15-24
Total Hours**		121-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2346

Concentration Code: LEEN

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Long-Term Care

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.

- An ability to apply economic concepts for efficient allocation of scarce resources.

• **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):

- Recognize will ethical dilemmas in healthcare.
- Recognize key healthcare legal and regulatory environment parameters.
- Demonstrate discern viable options for ethical guided decision-making processes.
- Demonstrate applied legal and regulatory reasoning.

• **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):

- Organizational mission, vision, and culture.
- Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Long-Term Care, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- 2.0 GPA overall or higher to declare HCAM as major
- 2.0 GPA or higher in the major to graduate in HCAM
- 2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		60
Electives		18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/) ²		12

Required Thematic Thread Coursework:

ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)
Total Hours	42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Long-Term Care Management Core Courses		
GERO 265	(Required) ¹	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 400	Legal Environment of Healthcare ¹	3
or ACCT 400	Legal Environment of Healthcare	
HCAM 425	Long Term Care Management (Required) ¹	3
HCAM 430	Finance for Healthcare Organizations ¹	3
HLTH 210	¹	0-3

or HCAM 200	Introduction to Population Health	
Select two of the following:		6
GERO 414	¹	
GERO 465	¹	
HCAM 470	Healthcare Practice Management	
INDP 342	Sociology of Aging ¹	
RCTH 420	Recreational Therapy for Older Adults ¹	
Additional Requirement Coursework		
ACCT 209	Financial Accounting ¹	3
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis ¹	3
or ECON 312	Critical Choices in Health Care Policy	
HCAM 385	Insurance and Cost Containment	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
MIS 210	Productivity Software ¹	3
MIS 310	Business Data Analysis and Visualization ¹	3
Total Hours		57-60

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)
Concentration in Long-Term Care (LTCA)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ECON 202	Principles of Microeconomics (Thematic Thread Requirement)	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
HCAM 200	Introduction to Population Health	3
or HLTH 104	or Introduction to Public Health	
GERO 265	LTC track	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
HCAM 385	Insurance and Cost Containment	3
ACCT 209	Financial Accounting	3
Humanities Inquiry (p. 19)		3
MIS 210	Productivity Software	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
HCAM 430	Finance for Healthcare Organizations	3

MIS 310	Business Data Analysis and Visualization	3
Hours		15
Spring		
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 425	Long Term Care Management	3
HCAM 300 or ECON 312	Healthcare Systems: Global Perspectives and Analysis or Critical Choices in Health Care Policy	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
Long-Term Care Concentration Elective		3
Hours		15
Fourth Year		
Fall		
Long-Term Care Concentration Elective		3
Thematic Thread Requirement (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15
Spring		
HCAM 499	Health Care Theory and Research Capstone Seminar	3
HCAM 450	Internship-Health Care Administration & Management	3-12
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3-12
Hours		15-33
Total Hours**		121-139

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: LTCM

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Marketing and Sales

PROGRAM LEARNING OUTCOMES:

1 Knowledge of the Healthcare Environment: Students will demonstrate an accurate understanding of:

- Health care system structures.
- Reimbursement/payment models.
- Factors associated with population health.

(UG 02, UG 09)

2 Business Technology and Analytics: Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:

- Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
- Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.

(UG 02, UG 10)

3 Communication and Relationship Management: Students will demonstrate the ability to interact and communicate effectively by:

- Presenting information in oral and written formats.
- Collaborating effectively with others.

(UG 01, UG 05, UG 08, UG 09)

4 Financial Management and Economic Reasoning: Students will demonstrate:

- An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
- An ability to apply economic concepts for efficient allocation of scarce resources.

(UG 02, UG 04)

5 Healthcare Legal Environment and Ethics: Students will be able to:

- Recognize will ethical dilemmas in healthcare.
- Recognize key healthcare legal and regulatory environment parameters.
- Demonstrate discern viable options for ethical guided decision-making processes.
- Demonstrate applied legal and regulatory reasoning.

(UG 02, UG 05, UG 07, UG 08, UG 09)

6 Organizational Dynamics: Students will articulate an applied understanding of:

- Organizational mission, vision, and culture.
- Behaviors associated with organizational commitment and job performance.

(UG 05, UG 07, UG 08, UG 09)

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

- Policy for earning acceptable grades in the HCAM program:
 - A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - If a student does not earn a "C" or better, they will be required to:
 - Retake the course
 - They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - Students will need to meet with their Academic Advisor and change their schedule accordingly
- SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
- Additional costs associated with the HCAM major:
 - Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Marketing and Sales, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- 2.0 GPA overall or higher to declare HCAM as major
- 2.0 GPA or higher in the major to graduate in HCAM
- 2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110

Beginning Algebra

Total Hours**0-3****DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT**

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Marketing & Sales Management Core Courses		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 415 or COMM 270	Marketing for Health Care Organizations ¹ Strategic Health Communication	3
MRKT 230	¹	
MRKT 332		3
MRKT 333	¹	3
MRKT 336 or MRKT 430	¹	3
Subtotal		18
Additional Required Coursework		
ACCT 209	Financial Accounting	3
HCAM 200 or HLTH 210	Introduction to Population Health	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
or ECON 312	Critical Choices in Health Care Policy	
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 385	Insurance and Cost Containment	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare Legal Environment of Healthcare	3
HCAM 430	Finance for Healthcare Organizations	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
MIS 210	Productivity Software	3
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Marketing & Sale (MKSA)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ENGL 104	Critical Reading	3

MRKT 230	3
SCI 102 Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)	3
Hours	15

Second Year**Fall**

HCAM 200 Introduction to Population Health or HLTH 104 or Introduction to Public Health	3
ECON 202 Principles of Microeconomics (Thematic Thread Requirement)	3
SCI 102 Understanding the Physical World	3
Humanities Inquiry (p. 19)	3
Social Science Inquiry (p. 19)	3
Declare a Thematic Thread ²	
Hours	15

Spring

HCAM 385 Insurance and Cost Containment	3
ACCT 209 Financial Accounting	3
MIS 210 Productivity Software	3
MRKT 333	3
Thematic Thread Requirement (p. 19)	3
Hours	15

Third Year**Fall**

HCAM 305 Fundamentals of Healthcare Quality and Safety	3
HCAM 360 Healthcare Organizational Dynamics	3
HCAM 375 Ethics & Legal Fundamentals for the Health Professions	3
HCAM 415/ COMM 270 Marketing for Health Care Organizations	3
HCAM 430 Finance for Healthcare Organizations	3
Hours	15

Spring

HCAM 300 Healthcare Systems: Global Perspectives and Analysis	3
HCAM 400 Legal Environment of Healthcare or ACCT 400 or Legal Environment of Healthcare	3
HCAM 480 Healthcare Value-Based Reimbursement and Process Improvement	3
MRKT 332	3
Select one of the following:	3
Thematic Thread Requirement (Upper Level) (p. 19)	
MRKT 430 or or MRKT 336 or	
Hours	15

Fourth Year**Fall**

Select one of the following:	3
Thematic Thread Requirement (Upper Level) (p. 19)	
MRKT 336 or or MRKT 430 or	
Thematic Thread Requirement (p. 19)	3

Elective	3
Elective (Recommend HCAM or in Minor)	3
Elective (Recommend HCAM or in Minor)	3
Hours	15

Spring

HCAM 499 Health Care Theory and Research Capstone or HCAM 450 Seminar or Internship-Health Care Administration & Management	3
HCAM 450 Internship-Health Care Administration & Management	3-12
Elective (Recommend HCAM or in Minor)	3
Elective (Recommend HCAM or in Minor)	3
Elective (Recommend HCAM or in Minor)	3
Hours	15-24
Total Hours**	121-130

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2346
Concentration Code: MKSM
Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Medical Device Sales

PROGRAM LEARNING OUTCOMES

- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including:
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
 - (UG 02, UG 10)
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by:
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
 - (UG 01, UG 05, UG 08, UG 09)
- **Financial Management and Economic Reasoning:** Students will demonstrate:
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.

- An ability to apply economic concepts for efficient allocation of scarce resources.
- (UG 02, UG 04)
- **Healthcare Legal Environment and Ethics:** Students will be able to:
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
 - (UG 02, UG 05, UG 07, UG 08, UG 09)
- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of:
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
 - (UG 02, UG 09)
- **Organizational Dynamics:** Students will articulate an applied understanding of:
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.
 - (UG 05, UG 07, UG 08, UG 09)

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.
 - c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
 - d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.

- c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Medical Device Sales, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

2.0 GPA overall or higher to declare HCAM as major

2.0 GPA or higher in the major to graduate in HCAM

2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements/Concentration	58
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Medical Device Sales Core Courses		
<i>Legal Environment</i>		
HCAM 265	Introduction to Insurance and Managed Care ¹	3

HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 400 or ACCT 400	Legal Environment of Healthcare ¹ Legal Environment of Healthcare	3
Subtotal		9
<i>Science Foundations</i>		
BIOL 210	Medical Microbiology with Lab ¹	3
ENGR 220	Engineering Materials ¹	3
BIOL 309	Human Anatomy and Physiology II	4
Subtotal		10
<i>Marketing and Sales Foundations</i>		
HCAM 415	Marketing for Health Care Organizations ¹	3
HEMT 326	Introduction to Meetings and Event Management ¹	3
MRKT 230	¹	3
MRKT 336	¹	3
Subtotal		12
<i>Additional Required Courses</i>		
ACCT 209	Financial Accounting ¹	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 430	Finance for Healthcare Organizations ¹	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
MIS 210	Productivity Software ¹	3
Subtotal		15
Total Hours		58

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Medical Device Sales (MEDS)

This program is effective as of Summer 2023

Revised 10.10.2023

UCC 09.05.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
ENGR 220	Engineering Materials	3
MIS 210	Productivity Software	3
Hours		16
Second Year		
Fall		
BIOL 209	Human Anatomy and Physiology I	4
MKTG 230	Principles of Marketing	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		13
Spring		
ACCT 209	Financial Accounting	3
BIOL 309	Human Anatomy and Physiology II	4
HCAM 265	Introduction to Insurance and Managed Care	3
MKTG 336	Professional Selling	3
Hours		13
Third Year		
Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3

HCAM 415	Marketing for Health Care Organizations	3
HCAM 430	Finance for Healthcare Organizations	3
HEMT 326	Introduction to Meetings and Event Management	3
Hours		15
Spring		
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
BIOL 210	Medical Microbiology with Lab	3
Social Science Inquiry (p. 19)		
Thematic Thread Requirement (p. 19)		3
Hours		12
Fourth Year		
Fall		
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15
Spring		
HCAM 450	Internship-Health Care Administration & Management	3-12
HCAM 499 or HCAM 450	Health Care Theory and Research Capstone Seminar or Internship-Health Care Administration & Management	3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15-24
Total Hours**		115-124

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 2346

Concentration Code: MEDS

Revised: 07.17.2025

HCAM, Bachelor of Science (BS) - Concentration in Quality and Risk Management

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):
 - Recognize will ethical dilemmas in healthcare.
 - Recognize key healthcare legal and regulatory environment parameters.
 - Demonstrate discern viable options for ethical guided decision-making processes.
 - Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Academic Policies for Students in the Health Care Administration and Management (HCAM) Major

Effective for all Health Care Administration and Management (HCAM) Majors beginning Fall 2023

1. Policy for earning acceptable grades in the HCAM program:
 - a. A student must earn a grade of "C" or better in ALL Required HCAM Courses.
 - b. A student must earn a grade of "C" or better in ALL non-HCAM major Requirements.

- c. The HCAM curriculum is structured with pre-requisites. A student must earn a "C" or better in the pre-requisite course to be able to take the next course. See course catalog for pre-requisites.
- d. If a student does not earn a "C" or better, they will be required to:
 - i. Retake the course
 - ii. They will be dropped from any course(s) in the following semester that requires a "C" or better as a pre-requisite (see course catalog for pre-requisites)
 - iii. Students will need to meet with their Academic Advisor and change their schedule accordingly
2. SRU's Repeat of Courses Policy (<https://catalog.sru.edu/archive/2025-2026/academic-policies/repeat-of-courses/>) is detailed in the course catalog.
3. Additional costs associated with the HCAM major:
 - a. Lab fees will be collected for classes with a lab component. This fee enhances the University's ability to offer a high-quality program.
 - b. A student in the HCAM major may be required to purchase Student Professional Liability Insurance while enrolled in HCAM 450 at their own cost. More information will be provided to students in the upper level HCAM courses.
 - c. HCAM 450 Internship: Certain sites may require one or more of the following: physical examinations, record of immunizations, TB test, criminal background checks, drug testing, specific certifications for CPR/AED (e.g., American Heart Association), and HIPAA training. These may require additional costs for students. Fulfilling these requirements and obtaining appropriate documentation is the responsibility of the student.

Related Links

Healthcare Administration and Management - Quality and Risk Management, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/health-care-administration-and-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- 2.0 GPA overall or higher to declare HCAM as major
- 2.0 GPA or higher in the major to graduate in HCAM
- 2.0 GPA or higher and instructor permission to apply for the internship

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements/Concentration	60
	Electives	18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
ECON 202	Principles of Microeconomics (Must be included as part of the 12 Thematic Thread credits)	
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements/Concentration

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Basic Courses		
HCAM 230	US Healthcare Systems ¹	3
HCAM 360	Healthcare Organizational Dynamics ¹	3
HCAM 450	Internship-Health Care Administration & Management ¹	3
HCAM 499	Health Care Theory and Research Capstone Seminar ¹	3
Subtotal		12
Quality and Risk Management Core Courses		
HCAM 250	Medical Terminology for Healthcare Administrators ¹	3
or EXSC 250		
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 305	Fundamentals of Healthcare Quality and Safety ¹	3
HCAM 385	Insurance and Cost Containment	3
HCAM 400	Legal Environment of Healthcare ¹	3
or ACCT 400		
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement ¹	3
Select one of the following:		3
HCAM 200	Introduction to Population Health ¹	
HLTH 210		1
NURS 440	Nursing Case Management in Today's Healthcare Environment ¹	3
SAFE 118		1
SAFE 368		1
SAFE 388		1
SAFE 418		1
Subtotal		24
<i>Additional Required Coursework</i>		
ACCT 209	Financial Accounting ¹	3
HCAM 375	Ethics & Legal Fundamentals for the Health Professions ¹	3
HCAM 430	Finance for Healthcare Organizations ¹	3
MIS 210	Productivity Software ¹	3
Subtotal		12
Total Hours		48

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Volunteering in healthcare industry related settings
9. Job Shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH CARE ADMINISTRATION & MANAGEMENT - BS (2346)

Concentration in Quality and Risk Management (QURM)

This program is effective as of Summer 2022

Revised 10.10.2023

UCC 09.05.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HCAM 230	US Healthcare Systems	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235		
Hours		16
Spring		
HCAM 265	Introduction to Insurance and Managed Care	3
ECON 202	Principles of Microeconomics	3
ENGL 104	Critical Reading	3
SAFE 118		

Creative & Aesthetic Inquiry (p. 19)		3
Hours		12
Second Year		
Fall		
HCAM 200 or HLTH 104	Introduction to Population Health or Introduction to Public Health	3
SAFE 118		3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19) ²		
Hours		12
Spring		
HCAM 385	Insurance and Cost Containment	3
ACCT 209	Financial Accounting	3
EXSC 250 or HCAM 250	or Medical Terminology for Healthcare Administrators	3
MIS 210	Productivity Software	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360	Healthcare Organizational Dynamics	3
HCAM 430	Finance for Healthcare Organizations	3
SAFE 368 or SAFE 388	or	3
NURS 440	Nursing Case Management in Today's Healthcare Environment	3
Hours		15
Spring		
HCAM 400 or ACCT 400	Legal Environment of Healthcare or Legal Environment of Healthcare	3
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	3
SAFE 368 or SAFE 388	or	3
Thematic Thread Requirement (p. 19)		4
Hours		13
Fourth Year		
Fall		
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	3
Thematic Thread Requirement (Upper Level) (p. 19)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15
Spring		
HCAM 450	Internship-Health Care Administration & Management	3-12

HCAM 499 or HCAM 450	Health Care Theory and Research Capstone Seminar or Internship-Health Care Administration & Management	3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Elective (Recommend HCAM or in Minor)		3
Hours		15-24
Total Hours**		113-122

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 2346

Concentration Code: QURM

Revised: 07.17.2025

HCAM, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

- **Knowledge of the Healthcare Environment:** Students will demonstrate an accurate understanding of (UG 02, UG 09):
 - Health care system structures.
 - Reimbursement/payment models.
 - Factors associated with population health.
- **Business Technology and Analytics:** Students will articulate an applied understanding of key quality improvement metrics and methods to support evidence-based practice guidelines including (UG 02, UG 10):
 - Demonstrate knowledge, skills and abilities to plan for and ensure the security, integrity, and privacy of data and confidentiality of the end user.
 - Demonstrate an ability to identify, aggregate, and summarize technical information for technical and non-technical personnel.
- **Communication and Relationship Management:** Students will demonstrate the ability to interact and communicate effectively by (UG 01, UG 05, UG 08, UG 09):
 - Presenting information in oral and written formats.
 - Collaborating effectively with others.
- **Financial Management and Economic Reasoning:** Students will demonstrate (UG 02, UG 04):
 - An ability to analyze, quantify, evaluate and determine the sound allocation of financial resources.
 - An ability to apply economic concepts for efficient allocation of scarce resources.
- **Healthcare Legal Environment and Ethics:** Students will be able to (UG 02, UG 05, UG 07, UG 08, UG 09):

- Recognize will ethical dilemmas in healthcare.
- Recognize key healthcare legal and regulatory environment parameters.
- Demonstrate discern viable options for ethical guided decision-making processes.
- Demonstrate applied legal and regulatory reasoning.
- **Organizational Dynamics:** Students will articulate an applied understanding of (UG 05, UG 07, UG 08, UG 09):
 - Organizational mission, vision, and culture.
 - Behaviors associated with organizational commitment and job performance.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
HCAM 230	US Healthcare Systems	3
HCAM 265	Introduction to Insurance and Managed Care	3
HCAM 300	Healthcare Systems: Global Perspectives and Analysis	3
HCAM 305	Fundamentals of Healthcare Quality and Safety	3
HCAM 360 or MGMT 351	Healthcare Organizational Dynamics Organizational Behavior	3
Subtotal		15
Additional Coursework		
Select two of the following:		6
HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
HCAM 385	Insurance and Cost Containment	
HCAM 400	Legal Environment of Healthcare	
HCAM 410	Strategic Leadership in Health Care Organizations	
HCAM 425	Long Term Care Management	
HCAM 415	Marketing for Health Care Organizations	
HCAM 430	Finance for Healthcare Organizations	
HCAM 480	Healthcare Value-Based Reimbursement and Process Improvement	
ACCT 340	Legal Environment of Business	
BIOL 216	Anatomy and Physiology I with Lab	
COMM 270	Strategic Health Communication	

ECON 312	Critical Choices in Health Care Policy	
ENGL 327	Healthcare Writing	
EXSC 250		
HLTH 210		
MIS 403	Introduction to Healthcare Information Systems	
SPAN 121	Spanish for Health Professionals	
Subtotal		6
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN HEALTH CARE ADMINISTRATION & MANAGEMENT (51L)

Revised 10.10.2023

UCC 09.05.2023

Nursing PROGRAMS MAJORS

- Nursing, Bachelor of Science in Nursing (BSN) (RN-BSN) (p. 489)
- Pre-Nursing, Bachelor of Science in Nursing (BSN) (AHN) (p. 490)
- Pre-Nursing, Bachelor of Science in Nursing (BSN) (CCBC) (p. 493)

Nursing, Bachelor of Science in Nursing (BSN) (RN-BSN)

The Bachelor of Science in Nursing program is a fully CCNE accredited Online Degree Completion Program for nurses, who already hold RN licensure. In the program, students develop critical thinking skills for clinical decision-making, prepare to collaborate in multidisciplinary work, shift focus from care of individuals within a community to the health of a community, refine professional communication, and develop leadership skills. The curriculum provides a strong foundation for professional development in a nursing career and the opportunity to gain the knowledge and skills needed for advancement in clinical ladder programs. Students also develop the team skills and technological ability to provide leadership in managed care environments.

This program meets the requirements for certification in Pennsylvania. As regulations vary by state, please check the licensing board in your state.

ADMISSION REQUIREMENTS

- completion of a pre-licensure nursing program (RN diploma or associate degree)
- active unrestricted Registered Nurse license
- a 2.0 GPA in previous academic work

PROGRAM LEARNING OUTCOMES

- Uses effective communication in formal and informal interactions with individuals and group including clients, families, and communities.
- Applies critical thinking process to professional nursing practice.
- Synthesizes knowledge from nursing, scientific, and humanistic disciplines to guide nursing practice.
- Uses the nursing process to promote, maintain, and restore health for individuals, families, and groups within communities.
- Participates with others in providing high quality, cost-effective care and in promoting the health and well-being of individuals, families, and groups within communities.
- Applies research findings to improve and refine nursing practice.
- Evaluates nursing practice in relation to professional/legal standards, ethical principles, and sensitivity to the cultural differences of clients.
- Exercises leadership for the evaluation and enhancement of the quality and effectiveness of nursing practice.
- Values continuing personal and professional development.

RELATED LINKS

Nursing, BSN, RN-BSN Program Page (<https://www.sru.edu/academics/majors-and-minors/nursing-rn-bsn/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Major Requirements	30
	Electives	48

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

BSN Students must complete a sum total of 42 SRU Rock Studies 2-based credits. There are no specific requirements.

MAJOR REQUIREMENTS

Code	Title	Hours
Required Supportive Coursework		
PHIL 325	Medical/Health Care Ethics	3
INDP 317	Statistics for the Social Sciences	3

Subtotal	6
Required Nursing Courses ¹	
NURS 311	Introduction to Health Care Informatics 3
NURS 312	Nursing in Transition 3
NURS 327	Group Process for Nursing 3
NURS 331	Evidence-Based Health Assessment & Promotion 3
NURS 422	Nursing Research & Evidence-Based Practice 3
NURS 426	Community and Public Health Nursing 3
NURS 434	Leadership and Management in Nursing with Practice Experience 3
Subtotal	21
Nursing Electives ¹	
Select 3 credits from the following:	
NURS 322	The Teaching-Learning Process in Nursing 3
NURS 395	Workshop
NURS 406	Politics and Policy Nursing
NURS 408	Delivery of Nursing Care in a Managed Care Environment/Clinical
NURS 429	Financial Management for Nursing Case Managers
NURS 430	Leadership in Nursing and Healthcare Systems
NURS 433	Innovative Technology for Healthy Communities
NURS 440	Nursing Case Management in Today's Healthcare Environment
NURS 498	Selected Topics
NURS 500	Developing Transcultural Awareness Among Health Professionals
NURS 510	Cardiovascular Function: Nursing Assessment & Treatment
NURS 511	Advanced Healthcare Informatics
NURS 514	Bioterrorism and Disaster Management: The Nurse's Role
NURS 516	Nursing for Palliative and End-of-Life Issues
NURS 517	Social Media and Healthcare
NURS 595	Workshop
Total Hours	30

¹ Must earn a "C" or better

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research

4. Job Shadowing
5. Career Education Services

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RN to BSN PROGRAM - BS (6 58)

This program is effective as of Fall 2020.

Revised 02.02.2024

UCC 09.01.2020

Pre-Nursing, Bachelor of Science in Nursing (BSN) (AHN)

PROGRAM LEARNING OUTCOMES

- Uses effective communication in formal and informal interactions with individuals and group including clients, families, and communities. (UO 1, 10)
- Applies critical thinking process to professional nursing practice. (UO 2)
- Synthesizes knowledge from nursing, scientific, and humanistic disciplines to guide nursing practice. (UO 3, 4, 6)
- Uses the nursing process to promote, maintain, and restore health for individuals, families, and groups within communities. (UO 2, 9)
- Participates with others in providing high-quality, cost-effective care and in promoting the health and well-being of individuals, families, and groups within communities. (UO 7)
- Applies research findings to improve and refine nursing practice. (UO 3)
- Evaluates nursing practice in relation to professional/legal standards, ethical principles, and sensitivity to the cultural differences of clients. (UO 8)
- Exercises leadership for the evaluation and enhancement of the quality and effectiveness of nursing practice. (UO 7, 10)
- Values continuing personal and professional development. (UO 5)

Related Links

Pre-Nursing, BSN (AHN) Program Page (<https://www.sru.edu/programs/undergrad-nursing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Major Requirements at AHN	50
	Major Requirements at SRU	27
	Elective	1

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
PHIL 325	Medical/Health Care Ethics	3
<i>Social Science Inquiry</i>		
PSYC 105	Introduction to Psychology	3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I ¹	4
<i>Physical Sciences Inquiry</i>		
CHEM 104	Introduction Chemistry I	4
& CHEM 113	and Clinical Chemistry Laboratory ¹	
Subtotal		17
Additional Rock Studies Requirements		
Required Thematic Thread Coursework: ²		
BIOL 210	Medical Microbiology with Lab ¹	3
BIOL 309	Human Anatomy and Physiology II ¹	4
PSYC 244	Developmental Psychology	3
Subtotal		10
Total Hours		42

¹ Must earn a "C" or better

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

Code	Title	Hours
Required Coursework Completed at AHN:		
NURS 111	Foundations of Nursing	12
NURS 211	Nursing Care of Adult (Med-Surg)	12
NURS 212	Pharmacology for Nursing	2
NURS 311	Nursing Care of Patients/Families Across the Lifespan	12
NURS 411	Nursing Care of Critically Ill Adult	6
NURS 412	Transition of Professional Nursing Practice	5
NURS 413	NCLEX Prep	1
Subtotal		50
Required SRU Coursework ¹		
Required Nursing Courses *		
NURS 101	Introduction to Nursing	3
NURS 311	Introduction to Health Care Informatics	3
NURS 312	Nursing in Transition	3
NURS 327	Group Process for Nursing	3
NURS 331	Evidence-Based Health Assessment & Promotion	3
NURS 422	Nursing Research & Evidence-Based Practice	3
NURS 426	Community and Public Health Nursing	3
NURS 434	Leadership and Management in Nursing with Practice Experience	3
<i>Nursing Electives ¹</i>		
Select 3 credits from the following:		3
NURS 322	The Teaching-Learning Process in Nursing	
NURS 395	Workshop	
NURS 406	Politics and Policy Nursing	
NURS 408	Delivery of Nursing Care in a Managed Care Environment/Clinical	
NURS 429	Financial Management for Nursing Case Managers	
NURS 430	Leadership in Nursing and Healthcare Systems	
NURS 433	Innovative Technology for Healthy Communities	
NURS 440	Nursing Case Management in Today's Healthcare Environment	
NURS 498	Selected Topics	
NURS 500	Developing Transcultural Awareness Among Health Professionals	

NURS 510	Cardiovascular Function: Nursing Assessment & Treatment	
NURS 511	Advanced Healthcare Informatics	
NURS 514	Bioterrorism and Disaster Management: The Nurse's Role	
NURS 516	Nursing for Palliative and End-of-Life Issues	
NURS 517	Social Media and Healthcare	
NURS 595	Workshop	
Subtotal		27
Total Hours		77

¹ Must earn a "C" or better

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Job shadowing
5. Career education services

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PRE-NURSING PROGRAM - N121/AHN

This program is effective as of Summer 2025

Revised: 09.22.2025

UCC 11.26.2024

FOUR YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ESAP 101	FIRST Seminar	1
NURS 101	Introduction to Nursing	3
BIOL 209	Human Anatomy and Physiology I	4
ENGL 102	Critical Writing	3
CHEM 104	Introduction Chemistry I	3
CHEM 113	Clinical Chemistry Laboratory	1
Hours		15

Spring

ENGL 104	Critical Reading	3
SUBJ 139	Foundations of Academic Discovery	3
BIOL 309	Human Anatomy and Physiology II	4
PSYC 105	Introduction to Psychology	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16

Second Year

Fall

NURS 111	Foundations of Nursing (AHN)	3
PSYC 244	Developmental Psychology	3
BIOL 210	Medical Microbiology with Lab	3
Hours		9

Spring

NURS 211	Nsg Care of Adult (Med-Surg) (AHN)	3
NURS 212	Pharmacology for Nursing (AHN)	3
STAT 152	Elementary Statistics I	3
Hours		9

Summer

NURS 270	Community & Mental Health Nursing (CCBC)	4
BIOL 215	Microbiology (CCBC)	4
Hours		8

Third Year

Fall

NURS 311	Nsg Care of Pts/Fam Across Lifespan (AHN)	
Creative & Aesthetic Inquiry (p. 19)		3
Hours		3

Spring

NURS 411	Nsg Care of Critical Ill Adult (AHN)	6
NURS 412	Transition to Professional Nsg Practice (AHN)	5
NURS 413	NCLEX Prep (AHN)	1
PHIL 325	Medical/Health Care Ethics	3
Hours		15

Fourth Year

Spring

RN to BSN Program		24
Students progress at their own pace		
Hours		24
RN to BSN Program		21
Students progress at their own pace		
Hours		21
Total Hours**		120

PRE-NURSING PROGRAM - N121/AHN

Revised: 07.17.2025

Pre-Nursing, Bachelor of Science in Nursing (BSN) (CCBC)

PROGRAM LEARNING OUTCOMes

- Uses effective communication in formal and informal interactions with individuals and group including clients, families, and communities. (UO 1, 10)
- Applies critical thinking process to professional nursing practice. (UO 2)
- Synthesizes knowledge from nursing, scientific, and humanistic disciplines to guide nursing practice. (UO 3, 4, 6)
- Uses the nursing process to promote, maintain, and restore health for individuals, families, and groups within communities. (UO 2, 9)
- Participates with others in providing high-quality, cost-effective care and in promoting the health and well-being of individuals, families, and groups within communities. (UO 7)
- Applies research findings to improve and refine nursing practice. (UO 3)
- Evaluates nursing practice in relation to professional/legal standards, ethical principles, and sensitivity to the cultural differences of clients. (UO 8)
- Exercises leadership for the evaluation and enhancement of the quality and effectiveness of nursing practice. (UO 7, 10)
- Values continuing personal and professional development. (UO 5)

RELATED LINKS

Pre-Nursing, BSN (CCBC) Program Page (<https://www.sru.edu/programs/undergrad-nursing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Major Requirements at CCBC	47
	Major Requirements at SRU	30
	Electives	1

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Social Science Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Natural Sciences Inquiry

BIOL 209	Human Anatomy and Physiology I ¹	4

Physical Sciences Inquiry

CHEM 104	Introduction Chemistry I	4
& CHEM 113	and Clinical Chemistry Laboratory ¹	

Subtotal		17

Additional Rock Studies Requirements

Required Thematic Thread Coursework:

BIOL 309	Human Anatomy and Physiology II ¹	4
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
Subtotal		10

Total Hours	42

¹ Must earn a "C" or better

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

Code	Title	Hours
Required Coursework Completed at CCBC:		
BIOL 215	Microbiology	4
HSCI 202	Pharmacology (Online)	3
NURS 110	Nursing Foundations	9
NURS 120	Acute and Chronic Illness	9

NURS 220	Acute & Complex Illness	6
NURS 230	Family-Centered Care	6
NURS 240	Professional Practice I	3
NURS 250	Professional Practice II	3
NURS 270	Community & Mental Health Nursing	4
Subtotal		47
Required Nursing Courses ^{1*}		
NURS 101	Introduction to Nursing	3
NURS 311	Introduction to Health Care Informatics	3
NURS 312	Nursing in Transition	3
NURS 327	Group Process for Nursing	3
NURS 331	Evidence-Based Health Assessment & Promotion	3
NURS 422	Nursing Research & Evidence-Based Practice	3
NURS 426	Community and Public Health Nursing	3
NURS 434	Leadership and Management in Nursing with Practice Experience	3
Nursing Electives ¹		
Select 6 credits from the following:		6
NURS 322	The Teaching-Learning Process in Nursing	
NURS 395	Workshop	
NURS 406	Politics and Policy Nursing	
NURS 408	Delivery of Nursing Care in a Managed Care Environment/Clinical	
NURS 429	Financial Management for Nursing Case Managers	
NURS 430	Leadership in Nursing and Healthcare Systems	
NURS 433	Innovative Technology for Healthy Communities	
NURS 440	Nursing Case Management in Today's Healthcare Environment	
NURS 498	Selected Topics	
NURS 500	Developing Transcultural Awareness Among Health Professionals	
NURS 510	Cardiovascular Function: Nursing Assessment & Treatment	
NURS 511	Advanced Healthcare Informatics	
NURS 514	Bioterrorism and Disaster Management: The Nurse's Role	
NURS 516	Nursing for Palliative and End-of-Life Issues	
NURS 517	Social Media and Healthcare	
NURS 595	Workshop	
Subtotal		30
Total Hours		77

¹ Must earn a "C" or better

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-impact practice (HIP) designated classes
3. Student-faculty research
4. Job shadowing
5. Career education services

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PASSHE - Pennsylvania State System of Higher Education Institutions

PRE-NURSING PROGRAM - N121/CCBC

This program is effective as of Summer 2025

Revised: 09.22.2025

UCC 11.26.2024

Four Year Plan

Course	Title	Hours
First Year		
Fall		
ESAP 101	FIRST Seminar	1
NURS 101	Introduction to Nursing	3
BIOL 209	Human Anatomy and Physiology I	4
ENGL 102	Critical Writing	3
CHEM 104	Introduction Chemistry I	3
CHEM 113	Clinical Chemistry Laboratory	1
Hours		15
Spring		
ENGL 104	Critical Reading	3
SUBJ 139	Foundations of Academic Discovery	3
BIOL 309	Human Anatomy and Physiology II	4
PSYC 105	Introduction to Psychology	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Second Year		
Fall		
NURS 110	Nursing Foundations	3
PSYC 244	Developmental Psychology	3
Social Science Inquiry (p. 19)		3
Hours		9
Spring		
NURS 120	Acute and Chronic Illness	3

HSCI 202	Pharmacology (CCBC)	3
STAT 152	Elementary Statistics I	3
Hours		9
Summer		
NURS 270	Community & Mental Health Nursing (CCBC)	4
BIOL 215	Microbiology (CCBC)	4
Hours		8
Third Year		
Fall		
Select Track A or B:		6
TRACK A:		
NURS 220	Acute & Complex Illness	
TRACK B:		
NURS 230	Family-Centered Care	
NURS 240	Professional Practice I	3
PHIL 325	Medical/Health Care Ethics	3
Humanities Inquiry (p. 19)		3
Hours		15
Spring		
Select Track A or B:		6
TRACK A:		
NURS 220	Acute & Complex Illness	
TRACK B:		
NURS 230	Family-Centered Care	
NURS 250	Professional Practice II	3
NURS 311	Introduction to Health Care Informatics (Online SRU)	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Fourth Year		
RN to BSN Program		21
Students progress at their own pace		
Hours		21
Total Hours**		108

PRE-NURSING PROGRAM - N121/CCBC

Revised: 07.17.2025

Psychology

PROGRAMS

MAJORS

- Psychology, Bachelor of Arts (BA) (p. 495)
- Psychology, Bachelor of Science (BS) (p. 498)
- Psychology, Bachelor of Science (BS) - Concentration in Developmental (p. 501)
- Psychology, Bachelor of Science (BS) - Concentration in Neuroscience (p. 505)
- Psychology, Bachelor of Science (BS) - Concentration in Neuroscience / Pre-Physician Assistant (SRU) (Traditional) (p. 508)
- Psychology, Bachelor of Science (BS) / Counseling Psychology w/ Chatham University (MSCP), Accelerated (p. 511)

- Psychology, Bachelor of Science (BS) / Pre-Counseling (SRU) (3+3) (p. 514)
- Psychology, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3) (p. 517)
- Psychology, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional) (p. 521)
- Psychology, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2) (p. 524)
- Psychology, Bachelor of Science (BS) / Pre-Student Affairs (SRU) (3+2) (p. 528)
- Psychology, Bachelor of Science (BS) / Psychology w/ Chatham University (MAP), Accelerated (p. 531)

MINORS

- Psychology, Minor (p. 534)

Psychology, Bachelor of Arts (BA)

Students are required to maintain a minimum Psychology GPA of 2.0 in order to retain a declared major. Students are required to earn a grade of C or higher in Introduction to Psychology (PSYC 105) in order to take all other Psychology courses. Students are required to earn a grade of C or higher in Psychological Science I: Research Methods (PSYC 231) and Psychological Science II: Statistical Applications (PSYC 232) in order to progress in the program. Each course can only be repeated once.

Program Learning Outcomes

- **Theory and Content of Psychology:** Students should be familiar with the major theoretical approaches, findings, and historical trends in psychology. (UG2)
- **Methodology:** Students should understand and be able to use major research methods in psychology, including design, data analysis, and interpretation. (UG3 & UG4)
- **Critical Thinking, Logic, and Problem-Solving:** Students should use and respect skeptical inquiry, critical thinking, and the scientific approach to understanding behavior. (UG3 & UG4)
- **Information Competence, Technology, and Computers:** Students should demonstrate information competence and the ability to use computers and other technology for multiple purposes. (UG10)
- **Communication Skills:** Students should be able to express themselves effectively in written and oral communication. (UG1)
- **Application of Psychology:** Students should have an understanding of applications of psychology to personal, social, and organizational issues. (UG5, UG8, UG9)

RELATED LINKS

Psychology, BA Program Page (https://www.sru.edu/programs/undergrad-psychology/#tab_sec1)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		36-40
Electives		42

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 18 major credits must be taken at SRU or PASSHE
- 18 major credits must be taken at the 300 level or above
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent.

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
Subtotal		9
Core Electives ¹		
Select five of the following:		15-17
PSYC 244	Developmental Psychology	
PSYC 276	Introduction to Abnormal Psychology	
PSYC 303	Learning	
or PSYC 475	Behavior Modification	
PSYC 306	Introduction to Psychological Testing	
PSYC 311	Introduction to Behavioral Neuroscience	
PSYC 338	Cognitive Psychology	
PSYC 360	History of Psychology	
PSYC 377	Social Psychology	
Subtotal		15-17
Psychology Electives ¹		
Select four electives from the following:		12-14
Psychology Electives (p. 497)		
Total Hours		36-40

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Psychology Electives¹

Code	Title	Hours
PSYC 205	Environmental Psychology	3
PSYC 208	Personality	3
PSYC 233	Sensation & Perception	3
PSYC 240	Human Sexual Behavior	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 289	Positive Psychology	3
PSYC 300	Psychology of Women, Gender and Culture	3
PSYC 302	Psychology of Criminal Behavior	3
PSYC 303	Learning	4
PSYC 304	Theories of Counseling	3
PSYC 306	Introduction to Psychological Testing	3
PSYC 310	Introduction to Industrial-Organizational Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC 315	Psychology of Sexual and Gender Diversity	3
PSYC 318	Psychopathology of Childhood and Adolescence	3
PSYC 320	Introduction to Clinical Psychology	3
PSYC 321	Drugs and Behavior	3
PSYC 334	Health Psychology	3
PSYC 338	Cognitive Psychology	3
PSYC 350	Contemporary Topics in Psychological Science ²	1
PSYC 360	History of Psychology	3
PSYC 364	Child and Adolescent Development	3
PSYC 365	Psychology of Aging	3
PSYC 375	Psychopathology of Adulthood	3
PSYC 377	Social Psychology	3
PSYC 392	Cross Cultural Psychology	3
PSYC 415	Multicultural Identity Development	3
PSYC 428	Social and Emotional Development Across the Lifespan	3
PSYC 430	Research Practicum in Psychology	3
PSYC 435	Resilience Across the Lifespan	3
PSYC 445	Infant and Child Cognition	3
PSYC 449	Seminar in Psychology	3
PSYC 450 & PSYC 485	Field Capstone Internship in Psychology and Seminar in Professional Psychology	9
PSYC 471	Psychopharmacology	3
PSYC 473	Hormones and Behavior	3
PSYC 475	Behavior Modification	3
PSYC 476	Clinical Neuroscience	3
PSYC 477	Developmental Neuroscience	3
PSYC 490	Independent Study	3

¹ Courses count for 50% of Major requirements and Major GPA

² Course may be repeated for a total of 2 credits

ELECTIVES

Code	Title	Hours
LIBR 110	Introduction to Library & Information Resources (Required)	1

WRITING COMPETENCY REQUIREMENTS

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Writing in Psychology #4	

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BA (6 70)

This program is effective as of Summer2023

Revised 09.22.2025

UCC 09.19.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3

ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
LIBR 110	Introduction to Library & Information Resources	1

Hours **14**

Spring

PSYC 231	Psychological Science I: Research Methods	3
PSYC Core Elective #1		3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3

Hours **15**

Second Year

Fall

PSYC 232	Psychological Science II: Statistical Applications	3
PSYC Core Elective #2		3
Civil Discourse Requirement - select one		3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
Modern Language #1		3
Declare a Thematic Thread ²		

Hours **15**

Spring

PSYC Core Elective #3		3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3
Modern Language #2		3
Thematic Thread Requirement (p. 19)		3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3

Hours **15**

Third Year

Fall

PSYC Core Elective #4		3
PSYC Elective #1		3
Thematic Thread Requirement (p. 19)		3
Modern Language #3		3
Free Elective		3

Hours **15**

Spring

PSYC Core Elective #5		3
PSYC Elective #2		3
PSYC Elective #3		3
Thematic Thread Requirement (p. 19)		3
Free Elective		3
Free Elective		1

Hours **16**

Fourth Year

Fall

PSYC Elective #4 3

Thematic Thread Requirement (p. 19) 3

Free Elective 3

Free Elective 3

Free Elective 3

Hours **15**

Spring

Free Elective 3

Free Elective 3

Free Elective 3

Free Elective 3

Free Elective 3

Hours **15**

Total Hours** **120**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6 70

Revised: 09.24.2025

Psychology, Bachelor of Science (BS)

Students are required to maintain a minimum Psychology GPA of 2.0 in order to retain a declared major. Students are required to earn a grade of C or higher in Introduction to Psychology (PSYC 105) in order to take all other Psychology courses. Students are required to earn a grade of C or higher in Psychological Science I: Research Methods (PSYC 231) and Psychological Science II: Statistical Applications (PSYC 232) in order to progress in the program. Each course can only be repeated once.

PROGRAM LEARNING OUTCOMES

- **Knowledge Base in Psychology:** Students should demonstrate fundamental knowledge and comprehension in the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles are applied. (UG 2, 3)
- **Scientific Inquiry and Critical Thinking:** The skills in this domain involve the development of scientific reasoning and problem solving, including effective research methods. (UG 2, 3, 4)
- **Ethical and Social Responsibility in a Diverse World:** The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. (UG 9)

- Writing Competency: Students should demonstrate competence in writing skills. (UG 1)
- Professional Development: The emphasis in this goal is on the application of psychology-specific content and skills, effective self-reflection, and career preparation. (UG 5, 7, 8)

Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Related Links

Psychology, BS Program Page (https://www.sru.edu/programs/undergrad-psychology/#tab_sec2)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		45-47
Electives		33

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Science Inquiry

SCI 102 Understanding the Physical World 3

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 23 major credits must be taken at SRU or PASSHE
- 23 major credits must be taken at the 300 level or above
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent

Code	Title	Hours
Required Courses (Grades of 'C' or higher required)¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
Subtotal		9

Core Electives¹

Select five of the following: 15-17

PSYC 244	Developmental Psychology
PSYC 276	Introduction to Abnormal Psychology
PSYC 303	Learning
or PSYC 475	Behavior Modification
PSYC 306	Introduction to Psychological Testing
PSYC 311	Introduction to Behavioral Neuroscience
PSYC 338	Cognitive Psychology
PSYC 360	History of Psychology

PSYC 377	Social Psychology	
Subtotal		15-17
Psychology Electives ¹		
Select 12-14 credits from Psychology Electives ¹		12-14
Psychology Electives (p. 500)		
Subtotal		12-14
Depth of Knowledge ¹		
Select one of the following options:		9
<i>Option 1</i>		
PSYC 450	Field Capstone Internship in Psychology	
PSYC 485	Seminar in Professional Psychology	
<i>Option 2</i>		
PSYC 451	Research Capstone Internship (3 or 6 credits)	
3 or 6 credits of 300 or 400 level Psychology classes		
<i>Option 3</i>		
Enhanced Coursework: Choose 9 credits of electives from 300 and 400 level Psychology classes		
Total Hours		45-47

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Psychology Electives¹

Code	Title	Hours
PSYC 205	Environmental Psychology	3
PSYC 208	Personality	3
PSYC 233	Sensation & Perception	3
PSYC 240	Human Sexual Behavior	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 289	Positive Psychology	3
PSYC 300	Psychology of Women, Gender and Culture	3
PSYC 302	Psychology of Criminal Behavior	3
PSYC 303	Learning	4
PSYC 304	Theories of Counseling	3
PSYC 306	Introduction to Psychological Testing	3
PSYC 310	Introduction to Industrial-Organizational Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC 315	Psychology of Sexual and Gender Diversity	3
PSYC 318	Psychopathology of Childhood and Adolescence	3
PSYC 320	Introduction to Clinical Psychology	3
PSYC 321	Drugs and Behavior	3
PSYC 334	Health Psychology	3
PSYC 338	Cognitive Psychology	3
PSYC 350	Contemporary Topics in Psychological Science ²	1
PSYC 360	History of Psychology	3
PSYC 364	Child and Adolescent Development	3
PSYC 365	Psychology of Aging	3

PSYC 375	Psychopathology of Adulthood	3
PSYC 377	Social Psychology	3
PSYC 392	Cross Cultural Psychology	3
PSYC 415	Multicultural Identity Development	3
PSYC 428	Social and Emotional Development Across the Lifespan	3
PSYC 435	Resilience Across the Lifespan	3
PSYC 445	Infant and Child Cognition	3
PSYC 449	Seminar in Psychology	3
PSYC 471	Psychopharmacology	3
PSYC 473	Hormones and Behavior	3
PSYC 475	Behavior Modification	3
PSYC 476	Clinical Neuroscience	3
PSYC 477	Developmental Neuroscience	3
PSYC 490	Independent Study	3

¹ Courses count for 50% of Major requirements and Major GPA

² Course may be repeated for a total of 2 credits

Writing Competency Requirements

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Professional Competencies Paper or Writing in Psychology #4	

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		14
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC Core Elective #1		3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC Core Elective #2		3
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
PSYC Core Elective #3		3
Thematic Thread Requirement (p. 19)		3
Humanities OR Social Science OR Creative & Aesthetic Inquiry (p. 19)		3
Free Elective		3
Free Elective		3
Hours		15
Third Year		
Fall		
PSYC Core Elective #4		3
PSYC Elective #1		3
Thematic Thread Requirement (p. 19)		3
Free Elective		3

Free Elective	3
Free Elective	1
Hours	16
Spring	
PSYC Core Elective #5	3
PSYC Elective #2	3
PSYC Elective #3	3
Thematic Thread Requirement (p. 19)	3
Free Elective	3
Hours	15
Fourth Year	
Fall	
PSYC Elective #4	3
Thematic Thread Requirement (p. 19)	3
Free Elective	3
Free Elective	3
Free Elective	3
Hours	15
Spring	
Depth of Knowledge Requirement - See curriculum guide for details	9
Free Elective	3
Free Elective	3
Hours	15
Total Hours**	120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6170

Revised 09.24.2025

Psychology, Bachelor of Science (BS) - Concentration in Developmental

Students are required to maintain minimum Overall and Psychology GPAs of 2.0 in order to retain the major in Psychology: Developmental Concentration. Students are required to earn a grade of C or higher in Introduction to Psychology (PSYC 105) in order to take all other Psychology courses. Students are required to earn a grade of C or higher in Psychological Science I: Research Methods (PSYC 231) and Psychological Science II: Statistical Applications (PSYC 232) in order to progress in the program. Each course can only be repeated once. Students in the Developmental Concentration are required to earn a grade of B or higher in Developmental Psychology (PSYC 244) to be prepared for advanced developmental psychology courses.

Program Learning Outcomes

- Understand the biological, psychological, social, and cultural influences on human development. (UG2, UG9)
- Understand, critically evaluate, and apply the major theories of human development. (UG1, UG2)
- Understand and critically evaluate research findings and methods used to study human development. (UG2, UG3)
- Understand the implications of research and theory in developmental psychology for the purpose of providing service to individuals across the lifespan. (UG3, UG8, UG9)
- Provide the framework to understand and appreciate diversity within the context of life and society. (UG5, UG9)

Related Links

Psychology - Developmental, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-developmental/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		54-59
Electives		24

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 28 major credits must be taken at SRU or PASSHE
- 28 major credits must be taken at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from, the program. All dismissals are permanent.

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology ²	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 364	Child and Adolescent Development ^{3,4}	3

or PSYC 365	Psychology of Aging	
PSYC 375	Psychopathology of Adulthood	3
or PSYC 318	Psychopathology of Childhood and Adolescence	
Subtotal		21
Core Elective ¹		
Select three of the following:		9-11
PSYC 303	Learning	
or PSYC 475	Behavior Modification	
PSYC 311	Introduction to Behavioral Neuroscience	
PSYC 338	Cognitive Psychology	
PSYC 377	Social Psychology	
Subtotal		9-11
Diversity Elective ¹		
Select one of the following:		3
PSYC 240	Human Sexual Behavior	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Subtotal		3
Advanced Developmental Courses ¹		
Select three of the following:		9
PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	
Subtotal		9
Required Professional Competency ¹		
Select one of the following:		6-9
PSYC 450	Field Capstone Internship in Psychology & PSYC 485	
PSYC 451	Research Capstone Internship (taken twice)	
Subtotal		6-9
Psychology Elective ¹		
Select two from the following:		6
Psychology Electives (p. 503)		
Total Hours		54-59

¹ Courses count for 50% of Major requirements and Major GPA

² Must earn a Grade of B or higher

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Psychology Electives¹

Code	Title	Hours
PSYC 205	Environmental Psychology	3
PSYC 208	Personality	3
PSYC 240	Human Sexual Behavior	3
PSYC 289	Positive Psychology	3
PSYC 300	Psychology of Women, Gender and Culture	3

PSYC 306	Introduction to Psychological Testing	3
PSYC 315	Psychology of Sexual and Gender Diversity	3
PSYC 318	Psychopathology of Childhood and Adolescence	3
PSYC 321	Drugs and Behavior	3
PSYC 334	Health Psychology	3
PSYC 360	History of Psychology	3
PSYC 364	Child and Adolescent Development	3
PSYC 365	Psychology of Aging	3
PSYC 375	Psychopathology of Adulthood	3
PSYC 392	Cross Cultural Psychology	3
PSYC 471	Psychopharmacology	3
PSYC 473	Hormones and Behavior	3
PSYC 476	Clinical Neuroscience	3

¹ Course counts for 50% of Major requirements and Major GPA

Electives

Code	Title	Hours
PSYC 350	Contemporary Topics in Psychological Science (Course may be repeated for a total of 2 credits)	1

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		
Writing in Psychology #3		
Professional Competencies Paper		

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Important Curriculum Guide Notes

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on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Developmental (DEVE)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.23

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
SCI 101	Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
STAT 152	Elementary Statistics I	3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 244	Developmental Psychology	3
ENGL 104	Critical Reading	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 276	Introduction to Abnormal Psychology	3
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3
Select one of the following:		3
PSYC Elective		
PSYC Diversity Elective		
Declare a Thematic Thread ³		
Hours		15
Spring		
PSYC Developmental Core Elective # 1		3
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry OR Free Elective (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Third Year

Fall

PSYC 364	Child and Adolescent Development	3
or PSYC 365	or Psychology of Aging	
PSYC Developmental Core Elective #2		3-4
PSYC Advanced Developmental Course #1		3
Thematic Thread Requirement or Computer Competency (if needed) (p. 19)		3
Select one of the following:		3
PSYC Elective		
PSYC Diversity Elective		

Hours

15-16

Spring

PSYC 318	Psychopathology of Childhood and Adolescence	3
or PSYC 375	or Psychopathology of Adulthood	
PSYC Developmental Core Elective #3		3
PSYC Developmental Core Elective # 2		
PSYC Advanced Developmental Course #2		3
Free Elective or Thematic Thread Requirement (if needed)		3
Free Elective		3

Hours

15

Fourth Year

Fall

PSYC Elective #2		3
PSYC Advanced Developmental Course #3		3
Free Elective		3
PSYC Professional Competency (or Free Elective)		3
PSYC 451	Research Capstone Internship	3

Hours

15

Spring

Select One of the Following		3-9
PSYC 451 OR		
PSYC 450 AND PSYC 485		
Free Elective (If needed)		3
Free Elective (If needed)		3
Free Elective (If needed)		3
Free Elective (If needed)		3

Hours

15-21

Total Hours**

122-129

¹ Course offered in multiple subjects; cannot take course in first major subject.

² If enrolled in PSYC 450

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Concentration Code: DEVE

Revised: 09.24.2025

Psychology, Bachelor of Science (BS) - Concentration in Neuroscience

Neuroscience breakthroughs are responsible for advancements in memory, sleep science, understanding mental health, developing mental health treatments and so much more.

Neuroscience is an interdisciplinary degree with a wide range of career opportunities. Neuroscience graduates aren't confined to one career path, which makes for an exciting postgraduate experience. The Neuroscience concentration prepares students for graduate study in Neuroscience, medical school, careers in the pharmaceutical, biotech, and other industries, and much more.

At SRU, there are countless opportunities to network and get involved with other students on campus. Our Psychology Club allows you to meet faculty, students, and professionals in the field. We also feature our own chapter of Nu Rho Psi, an honor society for Neuroscience majors.

Program Learning Outcomes

- Scientific Literacy & Research Foundations:** Learn scientific literacy and fundamental and organizing principles in psychology and neuroscience. a. UG 1, b. UG 3, c. UG 4
- Breadth of Knowledge & Making Connections:** Develop breadth of knowledge about neuroscience from multiple scientific perspectives and learn about the interdisciplinary nature of neuroscience by making connections between the disciplines. a. UG 1, b. UG 2, c. UG 3, d. UG 4
- Depth of Knowledge, Technical Expertise and Advanced Research:** Advance depth of knowledge in neuroscience related fields and independent research ability. a. UG 1, b. UG 3, c. UG 4

Neuroscience Core Competencies:

- Independent and critical thinkers; self-motivated learners
- Basic knowledge in Neuroscience/Biology/Chemistry/Psychology
- Ability to think creatively and integratively
- Quantitative skills
- Scientific inquiry/analytical skills/research skills
- Communication skills

Related Links

Psychology - Neuroscience, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-neuroscience/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	41
	Other Basic Requirements	0-3
	Major/Concentration Requirements	56-57
	Electives	23

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Social Science Inquiry

Social Science Inquiry Requirement Waived

Physical & Natural Sciences Inquiry

CHEM 107 General Chemistry I
& CHEM 111 and General Chemistry I Lab

BIOL 114 Biology II: Foundations of Molecules, Genes and Cells with Lab

Subtotal 14

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ²

Total Hours 41

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 28 major credits must be taken at SRU or PASSHE
- 28 major credits must be taken at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent.
-

Code	Title	Hours
Goal 1: Scientific Literacy & Foundations ¹		
Must earn a grade of 'C' or higher in PSYC 105, PSYC 231, and PSYC 232.		
Must earn a grade of 'B' or higher in PSYC 311.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 311	Introduction to Behavioral Neuroscience	4
Subtotal		13
Goal 2: Depth of Knowledge & Making Connections ¹		
<i>Core Courses</i>		
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
<i>Neuroscience Content Courses (select two courses)</i>		6-7
PSYC 233	Sensation & Perception	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
<i>Interdisciplinary Core Courses</i>		
BIOL 250	Genetics with Lab	4
CHEM 201	Organic Chemistry I	3
Subtotal		19-20
Goal 3: Depth of Knowledge, Technical Expertise & Research ¹		
<i>Neuroscience Content Courses (select three courses)</i>		9
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	

PSYC 477	Developmental Neuroscience	
<i>Research Capstone</i>		
Students must register for two semesters		
PSYC 451	Research Capstone Internship	6
PSYC 451	Research Capstone Internship	6
<i>Interdisciplinary Electives</i>		
Select one of the following:		3
BIOL 330	Microbiology/Lab	
BIOL 335	Cell Biology	
BIOL 370	Molecular Biology	
Subtotal		24
Total Hours		56-57

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
STAT 252	Introduction to Statistical Modeling	3
PSYC 355	Topical Seminar in Neuroscience	1

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		
Writing in Psychology #3		
Professional Competencies Paper		

Elective Recommendations based on Student Goals

Students can choose from many of the following recommended electives to fulfill their requirements for the interdisciplinary elective for the neuroscience concentration and/or for their remaining credits after meeting their rock studies 2 and major requirements.

Recommended Electives for Psychology (Biology Concentration)

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 340	Vertebrate Anatomy with Lab ¹	3
BIOL 330	Microbiology/Lab ¹	3
BIOL 335	Cell Biology ¹	3
BIOL 325	Biostatistics and Experimental Design with Lab	3
BIOL 370	Molecular Biology	3
BIOL 410	Animal Physiology with Lab ¹	3
BIOL 470	Histology with Lab ¹	3

¹ Additional pre-requisite(s) required.

Recommended Electives for Psychology (Chemistry Concentration)

Code	Title	Hours
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4

Recommended Electives for Psychology (Biostatistics Concentration)

Code	Title	Hours
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 313	Biostatistics	3
STAT 252	Introduction to Statistical Modeling	3
STAT 254	Nonparametric Statistics	3
STAT 256	Statistical Computing	3

Recommended Electives for Pre-Professional Concentration (e.g., pre-med, pre-vet) Concentration

Code	Title	Hours
PHYS 201	Elements of Physics I with Lab	4
PHYS 202	Elements of Physics II/ Lab	4
CHEM 201 & CHEM 211	Organic Chemistry I and Organic Chemistry Laboratory I	4
CHEM 202 & CHEM 212	Organic Chemistry II and Organic Chemistry Laboratory II	4
CHEM 335 & CHEM 336	Biochemistry I and Biochemistry Laboratory I	4
CHEM 337 & CHEM 338	Biochemistry II and Biochemistry Laboratory II	4

Recommended Electives for Physician Assistant Concentration

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 330	Microbiology/Lab ¹	3
HCAM 250 or EXER 250	Medical Terminology for Healthcare Administrators Medical Terminology	3

¹ Additional pre-requisite(s) required.

Additional Recommendations for Rock Studies 2 Courses

Code	Title	Hours
BIOL 300	Social and Ethical Issues in Genetics	3
CDEV 201	Interpersonal and Group Dynamics	3
COMM 314	Interpersonal Communication	3
INDP 104	Principles of Sociology	3
INDP 108	Introduction to Anthropology	3
PHIL 123	Ethics	3
PHIL 325	Medical/Health Care Ethics	3

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Concentration in Neuroscience (NEUR)

This program is effective as of Summer 2022

Revised 09.22.2025

UCC 01.31.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
Hours		15
Spring		
PSYC 231	Psychological Science I: Research Methods	3
Creative & Aesthetic Inquiry (p. 19)		3
ENGL 104	Critical Reading	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
PSYC 276	Introduction to Abnormal Psychology	3
Humanities Inquiry (p. 19)		3
Free Elective (Neuro Recommended)		3
Declare a Thematic Thread ²		
Hours		16
Spring		
PSYC 311	Introduction to Behavioral Neuroscience	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
PSYC 244	Developmental Psychology	3
Free Elective (Neuro Recommended)		3
Hours		14
Third Year		
Fall		
Goal 2: Neuroscience Content Course #1		3
CHEM 201	Organic Chemistry I	3
Thematic Thread Requirement (p. 19)		3
Free Elective (Neuro Recommended)		3
Free Elective (Neuro Recommended)		3
Hours		15
Spring		
Goal 2: Neuroscience Content Course #2		3
Goal 3: Neuroscience Content Course #1		3
BIOL 250	Genetics with Lab	4
Thematic Thread Requirement (p. 19)		3
Free Elective (Neuro Recommended)		3
Hours		16
Fourth Year		
Fall		
PSYC 451	Research Capstone Internship	6
Goal 3: Neuroscience Content Course #2		3
Major Interdisciplinary Elective		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
PSYC 451	Research Capstone Internship	6
Goal 3: Psych Neuro Content Course #3		3
Free Elective (Neuro Recommended)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170
Concentration Code: NEUR
Revised: 09.24.2025

Psychology, Bachelor of Science (BS) - Concentration in Neuroscience / Pre-Physician Assistant (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- Knowledge Base in Psychology:** Students should demonstrate fundamental knowledge and comprehension in the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles are applied. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy
- Scientific Inquiry and Critical Thinking:** The skills in this domain involve the development of scientific reasoning and problem-solving, including effective research methods. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy, c. UG 4: Apply quantitative reasoning in appropriate contexts
- Ethical and Social Responsibility in a Diverse World:** The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. a. UG 9: Develop a worldview that acknowledges diversity and global independence
- Writing Competency:** Students should demonstrate competence in writing skills. a. UG 1: Act as effective communicators
- Professional Development:** Students should be able to express themselves effectively in written and oral communication. a. UG 5: Develop as a whole person, b. UG 7: Become civically engaged, c. UG 8: Act ethically

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Related Links

Psychology - Pre-Physician Assistant, BS Program Page (https://www.sru.edu/programs/undergrad-psychology/#tab_sec5)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

- **Overall GPA:** 3.25 or higher
- **Major GPA** (only includes all major requirement courses): 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	41
	Other Basic Requirements	0-3
	Writing Competency Requirements	
	Major Requirements	56-57
	Electives	20

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Social Science Inquiry Requirement Waived		
<i>Physical & Natural Sciences Inquiry</i>		
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
Subtotal		14
Thematic Thread		

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ²

Total Hours **41**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 28 major credits must be taken at SRU or PASSHE
- 28 major credits must be at the 300 level or above

Code	Title	Hours
Goal 1: Scientific Literacy & Foundations ¹		
Must earn a grade of 'C' or higher in PSYC 105, 231, 232.		
Must earn a grade of 'B' or higher in PSYC 311.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 311	Introduction to Behavioral Neuroscience	4
Subtotal		13
Goal 2: Breadth of Knowledge & Making Connections ¹		
<i>Psychology Core Courses</i>		
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
<i>Neuroscience Content Courses (select two)</i>		6
PSYC 233	Sensation & Perception	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
<i>Interdisciplinary Core Courses</i>		
BIOL 250	Genetics with Lab	4

CHEM 201	Organic Chemistry I	3
Subtotal		19
Goal 3: Depth of Knowledge, Technical Expertise & Research ¹		
<i>Neuroscience Content Courses (select three)</i>		9
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
PSYC 477	Developmental Neuroscience	
<i>Research Capstone</i>		
PSYC 451	Research Capstone Internship	6
PSYC 451	Research Capstone Internship	6
<i>Interdisciplinary Core Course</i>		
BIOL 210	Medical Microbiology with Lab	3
or BIOL 303	Behavioral Ecology/Lab	
Subtotal		24
Total Hours		56

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Writing Competency Requirements

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Professional Competencies Paper	

Additional Physician Assistant Prerequisite Courses

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
Total Hours		15

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)

7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210	Medical Microbiology with Lab	3
or BIOL 330	Microbiology/Lab	
CHEM 107	General Chemistry I	4
& CHEM 111	and General Chemistry I Lab	
CHEM 108	General Chemistry II	4
& CHEM 112	and General Chemistry II Lab	
CHEM 201	Organic Chemistry I	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-PA SRU Traditional (PA) For Advising Purposes only

This program is effective as of Summer 2022

Revised 09.22.2025

UCC 01.31.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
Hours		15
Spring		
PSYC 231	Psychological Science I: Research Methods	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 276	Introduction to Abnormal Psychology	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Humanities Inquiry (p. 19)		3
Free Elective (Neuro Recommended)		3
Declare a Thematic Thread ²		
Hours		16
Spring		
PSYC 311	Introduction to Behavioral Neuroscience	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
PSYC 244	Developmental Psychology	3
Free Elective (Neuro Recommended)		3
Hours		14
Third Year		
Fall		
Goal 2: Neuroscience Content Course #1		3
CHEM 201	Organic Chemistry I	3
BIOL 250	Genetics with Lab	4
Free Elective (Neuro Recommended)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
Goal 2: Neuroscience Content Course #2		3
Goal 3: Neuroscience Content Course #1		3

BIOL 210	Medical Microbiology with Lab	3
EXER 250	Medical Terminology	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
PSYC 451	Research Capstone Internship	6
Goal 3: Neuroscience Content Course #2		3
BIOL 209	Human Anatomy and Physiology I	4
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
PSYC 451	Research Capstone Internship	6
Goal 3: Neuroscience Content Course #3		3
BIOL 309	Human Anatomy and Physiology II	4
Thematic Thread Requirement (p. 19)		3
Hours		16
Total Hours**		123

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170/Traditional

Interest CODE: PA

Revised 09.24.2025

Psychology, Bachelor of Science (BS) / Counseling Psychology w/Chatham University (MSCP), Accelerated

The accelerated concentration within the Psychology BS will prepare students for the Master of Science in Counseling Psychology (MSCP) at Chatham University. The accelerated concentration is designed to give students an opportunity to enrich their undergraduate education with an intensive program in psychology and facilitate their entry into the M.S. Counseling Psychology at Chatham University. The course work is tailored to meet the needs of the student as both a Psychology major and in a career in counseling psychology.

The following are the Pre-Chatham MSCP accelerated concentration requirements. If any of the following criteria are not satisfied, the concentration designation will be removed from the student's record:

1. A minimum of a grade of C in each psychology course
2. A cumulative GPA of 3.5 or better on a 4.0 scale

- 3. All Psychology required courses taken through SRU, except Introduction to Psychology
- 4. Required Professional Competency must be taken at SRU
- 5. Psychology elective courses may be transferred
- 6. Recommended that the student meet with a faculty member from Chatham University (either in person, by phone or by email) during their sophomore or junior year

Program Learning Outcomes

- **Theory and Content of Psychology:** Students should be familiar with the major theoretical approaches, findings, and historical trends in psychology. (UG2)
- **Methodology:** Students should understand and be able to use major research methods in psychology, including design, data analysis, and interpretation. (UG3 & UG4)
- **Critical Thinking, Logic, and Problem-Solving:** Students should use and respect skeptical inquiry, critical thinking, and the scientific approach to understanding behavior. (UG3 & UG4)
- **Information Competence, Technology, and Computers:** Students should demonstrate information competence and the ability to use computers and other technology for multiple purposes. (UG10)
- **Communication Skills:** Students should be able to express themselves effectively in written and oral communication. (UG1)
- **Application of Psychology:** Students should have an understanding of applications of psychology to personal, social, and organizational issues. (UG5, UG8, UG9)

Related Links

Psychology - Pre-Counseling (MSCP) with Chatham, BS Program Page ([https://www.sru.edu/academics/majors-and-minors/psychology-pre-counseling-psychology-\(mscp\)-with-chatham-university/](https://www.sru.edu/academics/majors-and-minors/psychology-pre-counseling-psychology-(mscp)-with-chatham-university/))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher
Overall GPA: 3.5 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		49-50
Electives		29

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

This major can be declared until the semester during which the student will reach 45 credits.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3

<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12

Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	

Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 25 major credits must be taken at SRU or PASSHE
- 25 major credits must be taken at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent.

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC 375	Psychopathology of Adulthood	3
Subtotal		22
Applied Psychology Electives ¹		
Select two of the following:		6
PSYC 208	Personality	
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 475	Behavior Modification	
Biobehavioral Elective ¹		
Select one of the following:		3-4
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
Developmental Psychology Electives ¹		
Select two of the following:		6
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 435	Resilience Across the Lifespan	
PSYC 477	Developmental Neuroscience	
Diversity Elective ¹		
Select one of the following:		3
PSYC 240	Human Sexual Behavior	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Required Professional Competency ¹		

PSYC 450 & PSYC 485	Field Capstone Internship in Psychology and Seminar in Professional Psychology	9
Total Hours		49-50

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
PSYC 350	Contemporary Topics in Psychological Science (Course may be repeated for a total of 2 credits)	1

Writing Competency Requirements

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Professional Competencies Paper	

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Counseling PSYC with Chatham University (MSCP) (617A)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.23

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative and Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 276	Introduction to Abnormal Psychology	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC Elective #1		3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Hours		15
Spring		
PSYC Elective #2		3
PSYC Elective #3		3
PSYC Elective #4		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC Elective #5		3
PSYC Elective #6		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Spring		
PSYC 450	Field Capstone Internship in Psychology	6
PSYC 485	Seminar in Professional Psychology	3
PSYC 375	Psychopathology of Adulthood	3

Free Elective	3
Hours	15
Total Hours**	93

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6170

Concentration Code: MSCP (617A)

Revised: 09.24.2025

Psychology, Bachelor of Science (BS) / Pre-Counseling (SRU) (3+3)

Psychology 3+3 Pre-Counseling is an accelerated program that prepares you to enter graduate school to become a licensed Counselor, working in a variety of counseling settings, including community mental health centers, college counseling centers, and others.

Earn a Master of Arts in Clinical Mental Health Counseling in six years rather than seven. This program is unique because it offers a strong basis in the biopsychosocial processes of human functioning. You will receive personal attention and gain insightful knowledge through activities both inside and outside of the classroom. Our goal is not only to prepare you for a future career, but also to enhance your personal, academic, and professional growth, so you can go on to promote the well-being of others.

At the end of your second year, you apply for admission to the SRU Clinical Mental Health Counseling program. If accepted, your first year in the SRU Clinical Mental Health Counseling program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option can be declared up to the semester where the student will earn 45 credits.

Psychology (BS) - 3+3 Pre-Counseling

3+3 Pre-Counseling program requirements:

- Students are required to maintain minimum Overall and Psychology GPAs of 3.0 in order to retain the major in Psychology. Students are required to earn a grade of C or higher in Introduction to Psychology (PSYC 105) in order to take all other Psychology courses. Students are required to earn a grade of C or higher in Psychological Science I: Research Methods (PSYC 231) and Psychological Science II: Statistical Applications (PSYC 232) in order to progress in the program. Each course can only be repeated once.

Program Learning Outcomes

- **Theory and Content of Psychology:** Students should be familiar with the major theoretical approaches, findings, and historical trends in psychology. (UG2)
- **Methodology:** Students should understand and be able to use major research methods in psychology, including design, data analysis, and interpretation. (UG3 & UG4)
- **Critical Thinking, Logic, and Problem-Solving:** Students should use and respect skeptical inquiry, critical thinking, and the scientific approach to understanding behavior. (UG3 & UG4)
- **Information Competence, Technology, and Computers:** Students should demonstrate information competence and the ability to use computers and other technology for multiple purposes. (UG10)
- **Communication Skills:** Students should be able to express themselves effectively in written and oral communication. (UG1)
- **Application of Psychology:** Students should have an understanding of applications of psychology to personal, social, and organizational issues. (UG5, UG8, UG9)

Related Links

Psychology - Pre-Counseling, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-pre-counseling-33/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher

Overall GPA: 3.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	42-44
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

This major can be declared until the semester during which the student will reach 45 credits.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent.

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology ²	3
PSYC 375	Psychopathology of Adulthood	3
Subtotal		18
Applied Psychology Electives ¹		
Select two of the following:		
PSYC 208	Personality	
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 475	Behavior Modification	
Subtotal		6
Biobehavioral Elective ¹		
Select two of the following:		
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 311	Introduction to Behavioral Neuroscience	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
Subtotal		6-8
Developmental Psychology Electives ¹		
Select two of the following:		
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	
Subtotal		6
Diversity Elective ¹		
Select one of the following:		
PSYC 240	Human Sexual Behavior	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Subtotal		3
Required Professional Competency		1

PSYC 420	Community Service Internship in Psychology	3
or PSYC 430	Research Practicum in Psychology	
Total Hours		43-45

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
PSYC 350	Contemporary Topics in Psychological Science (Course may be repeated for a total of 2 credits)	1

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		
Writing in Psychology #3		

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-Counseling 3+3 (617C)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.23

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
LIBR 110	Introduction to Library & Information Resources	1
ESAP 101	FYRST Seminar *	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative and Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 276	Introduction to Abnormal Psychology	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Free Elective		3
Hours		18
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC Elective #1		3
Civil Discourse Requirement - select one		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement		3
Declare a Thematic Thread ²		
Hours		18
Spring		
PSYC Elective #2		3-4
PSYC Elective #3		3-4
PSYC Elective #4		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Social Science Inquiry or Free Elective (if all other courses are 3 credits) (p. 19)		3
Hours		18-20
Third Year		
Fall		
PSYC 375	Psychopathology of Adulthood	3
PSYC Elective #5		3
PSYC Elective #6		3
PSYC Elective #7		3
Thematic Thread Requirement (p. 19)		3

Free Elective (if needed)		3
Hours		18
Spring		
PSYC 420 or PSYC 430	Community Service Internship in Psychology or Research Practicum in Psychology	3
Free Elective		3
Free Elective		3
Free Elective		3
Hours		12
Total Hours**		101-103

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6170

Concentration Code: 617C

Revised: 09.24.2025

Psychology, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3)

Program Learning Outcomes

- Knowledge Base in Psychology:** Students should demonstrate fundamental knowledge and comprehension in the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles are applied. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy
- Scientific Inquiry and Critical Thinking:** The skills in this domain involve the development of scientific reasoning and problem-solving, including effective research methods. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy, c. UG 4: Apply quantitative reasoning in appropriate contexts
- Ethical and Social Responsibility in a Diverse World:** The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. a. UG 9: Develop a worldview that acknowledges diversity and global independence
- Writing Competency:** Students should demonstrate competence in writing skills. a. UG 1: Act as effective communicators
- Professional Development:** Students should be able to express themselves effectively in written and oral communication. a. UG 5: Develop as a whole person, b. UG 7: Become civically engaged, c. UG 8: Act ethically

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

Related Links

Psychology - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

1st Major: Psychology

- Overall GPA: 2.00 or higher
- Major GPA (only includes Psychology courses): 2.50 or higher

2nd Major: Pre-OT SRU 3+3 Psychology

- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Writing Competency Requirements	
	Major Requirements	34-35
	Electives	42

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
Physical Science Inquiry		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- All Psychology Required courses, except PSYC 105, and Professional Competency must be taken at SRU.
- If Psychology Electives are transferred in, only grades of A and B will transfer
- If you choose to pursue Pre-Occupational Therapy SRU 3+3 Psychology and are not accepted into the OTD program, then

additional coursework is required to complete a first major of Psychology. Please refer to the Psychology BS Curriculum Guide.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Code	Title	Hours
Psychology Required Courses (Grade of A or B required) ¹		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4
Subtotal		19
Psychology Elective Diversity ¹		
Select one of the following:		3
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Psychology Elective Applied ¹		
Select one of the following:		3
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 375	Psychopathology of Adulthood	
PSYC 475	Behavior Modification	
Psychology Elective Biobehavioral ¹		
Select one of the following:		3-4
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
Psychology Elective Development ¹		
Select one of the following:		3
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	
Required Professional Competency ¹		
PSYC 420	Community Service Internship in Psychology	3
Total Hours		34-35

Writing Competency Requirements

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Writing in Psychology #4	

Additional Occupational Therapy Prerequisite Courses

Code	Title	Hours
BIOL 309	Human Anatomy and Physiology II	4
Select one of the following:		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
SOWK 105	Human Diversity	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
Total Hours		10

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing Volunteering

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3

¹ Courses count for 50% of Major requirements and Major GPA

or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-OT SRU 3+3 (6PSO)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 244	Developmental Psychology	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 276	Introduction to Abnormal Psychology	3
BIOL 209	Human Anatomy and Physiology I	4
Select one of the following:		3
INDP 108	Introduction to Anthropology	
SOWK 105	Human Diversity	
INDP 106	Race and Ethnic Diversity in the USA	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		16
Spring		
PSYC 420	Community Service Internship in Psychology	3
PSYC Elective #1		3
BIOL 309	Human Anatomy and Physiology II	4
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		16
Third Year		
Fall		
PSYC Elective #2		3
PSYC Elective #3		3

PHYS 201	Elements of Physics I with Lab	4
Thematic Thread Requirement (p. 19)		3
Upper-Division Elective		3
Hours		16
Spring		
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC Elective #4 (Developmental)		3
EXER 250	Medical Terminology	3
Upper-Division Elective		3
Upper-Division Elective		3
Hours		16
Total Hours**		96

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170

Concentration Code: 6PS0

Revised 09.24.2025

Psychology, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional)

Program Learning Outcomes

- Knowledge Base in Psychology:** Students should demonstrate fundamental knowledge and comprehension in the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles are applied. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy
- Scientific Inquiry and Critical Thinking:** The skills in this domain involve the development of scientific reasoning and problem-solving, including effective research methods. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy, c. UG 4: Apply quantitative reasoning in appropriate contexts
- Ethical and Social Responsibility in a Diverse World:** The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. a. UG 9: Develop a worldview that acknowledges diversity and global independence
- Writing Competency:** Students should demonstrate competence in writing skills. a. UG 1: Act as effective communicators
- Professional Development:** Students should be able to express themselves effectively in written and oral communication. a. UG 5: Develop as a whole person, b. UG 7: Become civically engaged, c. UG 8: Act ethically

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

Related Links

Psychology - Pre-Occupational Therapy, BS Program Page (https://www.sru.edu/programs/undergrad-psychology/#tab_sec9)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

- Overall GPA: 2.00 or higher
- Major GPA (only includes Psychology courses): 2.50 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		44
Other Basic Requirements		0-3
Writing Competency Requirements		
Major Requirements		49-50
Electives		26-27

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
BIOL 209 Human Anatomy and Physiology I	4
<i>Physical Science Inquiry</i>	
PHYS 201 Elements of Physics I with Lab	4
Subtotal	17
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- All Psychology Required courses, except PSYC 105, and Professional Competency must be taken at SRU.
- If Psychology Electives are transferred in, only grades of A and B will transfer

Code	Title	Hours
Psychology Required Courses (Grade of A or B required)¹		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4

Subtotal		19
Subtotal		0
Psychology Elective Diversity ¹		
Select one from the following:		3
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Psychology Elective Applied ¹		
Select two from the following:		6
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 375	Psychopathology of Adulthood	
PSYC 475	Behavior Modification	
Psychology Elective Biobehavioral ¹		
Select two from the following:		6-7
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
Psychology Elective Development ¹		
Select two from the following:		6
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	
Required Professional Competency ¹		
PSYC 450	Field Capstone Internship in Psychology	6
PSYC 485	Seminar in Professional Psychology	3
Total Hours		49-50

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		

Writing in Psychology #3

Professional Competencies Paper

Additional Occupational Therapy Prerequisite Courses

Code	Title	Hours
BIOL 309	Human Anatomy and Physiology II	4
Select one of the following:		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
SOWK 105	Human Diversity	
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
Total Hours		10

**Doctor of Occupational Therapy (OTD)
Prerequisite Admission Requirements****For Application Requirements**

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	

INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-OT 4+3 (PX)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.23

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 244	Developmental Psychology	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Hours		15

Second Year**Fall**

PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 276	Introduction to Abnormal Psychology	3
BIOL 209	Human Anatomy and Physiology I	4
Select one of the following:		3
SOWK 105	Human Diversity	
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
PSYC Elective #1		3
Declare a Thematic Thread ²		

Hours **16**

Spring

PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC Elective #2		3
PSYC Elective #3		3
BIOL 309	Human Anatomy and Physiology II	4
Thematic Thread Requirement (p. 19)		3

Hours **17**

Third Year**Fall**

PSYC Elective #4		3
PSYC Elective #5		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Free Elective		3

Hours **15**

Spring

PSYC 450	Field Capstone Internship in Psychology	6
PSYC 485	Seminar in Professional Psychology	3
EXER 250	Medical Terminology	3

Hours **12**

Fourth Year**Fall**

PSYC Elective #6		3
PHYS 201	Elements of Physics I with Lab	4
Thematic Thread Requirement (p. 19)		3
Free Elective		3
Free Elective		3

Hours **16**

Spring

PSYC Elective #7		3
Free Elective		3
Free Elective		3
Free Elective		3
Upper Division Free Elective		3

Hours **15**

Total Hours** **123**

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
- * Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170

Interest Code: PY

Revised 07.10.2025

Psychology, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2)

Program Learning Outcomes

- Knowledge Base in Psychology:** Students should demonstrate fundamental knowledge and comprehension in the major concepts, theoretical perspectives, historical trends, and empirical findings to discuss how psychological principles are applied. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy
- Scientific Inquiry and Critical Thinking:** The skills in this domain involve the development of scientific reasoning and problem-solving, including effective research methods. a. UG 2: Apply critical thinking to argument and problem solving, b. UG 3: Develop Scientific Literacy, c. UG 4: Apply quantitative reasoning in appropriate contexts
- Ethical and Social Responsibility in a Diverse World:** The skills in this domain involve the development of ethically and socially responsible behaviors for professional and personal settings in a landscape that involves increasing diversity. a. UG 9: Develop a worldview that acknowledges diversity and global interdependence
- Writing Competency:** Students should demonstrate competence in writing skills. a. UG 1: Act as effective communicators
- Professional Development:** Students should be able to express themselves effectively in written and oral communication. a. UG 5: Develop as a whole person, b. UG 7: Become civically engaged, c. UG 8: Act ethically

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

Related Links

Psychology - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

1st Major: Psychology

- Overall GPA: 2.00 or higher
- Major GPA (only includes Psychology courses): 2.50 or higher

2nd Major: Pre-PA SRU 3+2 Psychology

- Overall GPA: 3.00 or higher (before Fall 2018)
- Overall GPA: 3.25 or higher (Fall 2018 and after)

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Writing Competency Requirements	
	Major Requirements	34-35
	Electives	42

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Physical & Natural Sciences Inquiry

BIOL 114 Biology II: Foundations of Molecules, Genes and Cells with Lab 4

CHEM 107 & CHEM 111 General Chemistry I and General Chemistry I Lab 4

Subtotal 17

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ² 12

Total Hours 44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- All Psychology Required courses, except PSYC 105, and Professional Competency must be taken at SRU.
- If Psychology Electives are transferred in, only grades of A and B will transfer
- If you choose to pursue Pre-Physician Assistant SRU 3+2 Psychology and are not accepted into the PA program, then additional coursework is required to complete a first major of Psychology. Please refer to the Psychology BS Curriculum Guide

Code	Title	Hours
Psychology Required Courses (Grade of A or B required) ¹		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3

PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 311	Introduction to Behavioral Neuroscience	4
Subtotal		19

Psychology Elective Diversity¹

Select one of the following:		3
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	

Psychology Elective Applied¹

Select one of the following:		3
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 375	Psychopathology of Adulthood	
PSYC 475	Behavior Modification	

Psychology Elective Biobehavioral¹

Select one of the following:		3-4
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	

Psychology Elective Development¹

Select one of the following:		3
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	

Required Professional Competency¹

PSYC 420	Community Service Internship in Psychology	3

Total Hours 34-35¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Writing Competency Requirements

Code	Title	Hours
	Writing in Psychology #1	
	Writing in Psychology #2	
	Writing in Psychology #3	
	Writing in Psychology #4	

Additional Physician Assistant Prerequisite Courses

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3

Total Hours 25**Co-curricular and Experiential Learning**

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing

Physician Assistant Studies (Master of Science in Physician Assistant Studies)**Prerequisite Admission Requirements – Pre- Physician Assistant 3+2****For Application Requirements**

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3

BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-PA SRU 3+2 (6SPP)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		18
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 244	Developmental Psychology	3
BIOL 250	Genetics with Lab	4
ENGL 104	Critical Reading	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 276	Introduction to Abnormal Psychology	3
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		17
Spring		
PSYC 420	Community Service Internship in Psychology	3
PSYC Elective #1		3
BIOL 309	Human Anatomy and Physiology II	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		17
Third Year		
Fall		
PSYC Elective #2		3
PSYC Elective #3		3
CHEM 201	Organic Chemistry I	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Thematic Thread Requirement (p. 19)	3
Hours	18
Spring	
PSYC 311 Introduction to Behavioral Neuroscience	4
PSYC Elective #4	3
BIOL 210 Medical Microbiology with Lab	3
EXER 250 Medical Terminology	3
Thematic Thread Requirement (p. 19)	3
Hours	16
Total Hours**	102

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170

Concentration Code: 6SPP

Revised 09.24.2025

Psychology, Bachelor of Science (BS) / Pre-Student Affairs (SRU) (3+2)

Psychology Pre-Student Affairs 3+2 is an accelerated program that prepares you to enter graduate school to become a Student Affairs in Higher Education professional. Careers in Student Affairs involve counseling-focused positions at colleges and universities, including mental health counseling as well as those in housing and residence life, career services, student activities, multicultural services, academic advising, and others.

Earn a Master of Arts in Student Affairs in Higher Education in five years rather than six. This program is unique because it offers a strong basis in the biopsychosocial processes of human functioning. You will receive personal attention and gain insightful knowledge through activities both inside and outside of the classroom. Our goal is not only to prepare you for a future career, but also to enhance your personal, academic, and professional growth, so you can go on to promote the well-being of others.

At the end of your second year, you apply for admission to the SRU Student Affairs in Higher Education program. If accepted, your first year in the SRU Student Affairs in Higher Education program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option can be declared up to the semester where the student will earn 45 credits.

Psychology (BS) - 3+2 Pre-Student Affairs

3+2 Pre-Student Affairs program requirements:

- Students are required to maintain minimum Overall and Psychology GPAs of 3.0 in order to retain the major in Psychology. Students are required to earn a grade of C or higher in Introduction to Psychology (PSYC 105) in order to take all other Psychology courses. Students are required to earn a grade of C or higher in Psychological Science I: Research Methods (PSYC 231) and Psychological Science II: Statistical Applications (PSYC 232) in order to progress in the program. Each course can only be repeated once.

Program Learning Outcomes

- Theory and Content of Psychology:** Students should be familiar with the major theoretical approaches, findings, and historical trends in psychology. (UG2)
- Methodology:** Students should understand and be able to use major research methods in psychology, including design, data analysis, and interpretation. (UG3 & UG4)
- Critical Thinking, Logic, and Problem-Solving:** Students should use and respect skeptical inquiry, critical thinking, and the scientific approach to understanding behavior. (UG3 & UG4)
- Information Competence, Technology, and Computers:** Students should demonstrate information competence and the ability to use computers and other technology for multiple purposes. (UG10)
- Communication Skills:** Students should be able to express themselves effectively in written and oral communication. (UG1)
- Application of Psychology:** Students should have an understanding of applications of psychology to personal, social, and organizational issues. (UG5, UG8, UG9)

Related Links

Psychology - Pre-Student Affairs, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/psychology-pre-student-affairs-32/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher

Overall GPA: 3.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	42-44
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the

graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

This major can be declared until the semester during which the student will reach 45 credits.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110 Beginning Algebra

Total Hours

0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent.

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 375	Psychopathology of Adulthood	3
Subtotal		18
Applied Psychology Electives ¹		
Select two of the following:		6
PSYC 208	Personality	
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 475	Behavior Modification	
Subtotal		6
Biobehavioral Elective ¹		
Select two of the following:		6-8
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 311	Introduction to Behavioral Neuroscience	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	
Subtotal		6-8
Developmental Psychology Electives ¹		
Select two of the following:		6
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	

PSYC 415	Multicultural Identity Development	
PSYC 428	Social and Emotional Development Across the Lifespan	
PSYC 435	Resilience Across the Lifespan	
PSYC 445	Infant and Child Cognition	
PSYC 477	Developmental Neuroscience	
Subtotal		6
Diversity Elective ¹		
Select one of the following:		3
PSYC 240	Human Sexual Behavior	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Subtotal		3
Required Professional Competency ¹		
PSYC 420	Community Service Internship in Psychology	3
or PSYC 430	Research Practicum in Psychology	
Total Hours		42-44

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
LIBR 110	Introduction to Library & Information Resources (REQUIRED)	1
PSYC 350	Contemporary Topics in Psychological Science (Course may be repeated for a total of 2 credits)	1

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		
Writing in Psychology #3		
Writing in Psychology #4		

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships

8. Volunteering in local human services and mental health agencies
9. Job shadowing Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Pre-Student Affairs 3+2 (617S)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.2023

Recommended Three-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 276	Introduction to Abnormal Psychology	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Free Electives		3
Hours		18
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC Elective #1		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3

Declare a Thematic Thread²

Hours	18
Spring	
PSYC Elective #2	3-4
PSYC Elective #3	3-4
PSYC Elective #4	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Social Science Inquiry or Free Elective (if all other courses are 3 credits) (p. 19)	3

Hours 18-20

Third Year**Fall**

PSYC 375	Psychopathology of Adulthood	3
PSYC Elective #5		3
PSYC Elective #6		3
PSYC Elective #7		3
Thematic Thread Requirement (p. 19)		3
Free Elective (if needed)		3

Hours 18

Spring

PSYC 420 or PSYC 430	Community Service Internship in Psychology or Research Practicum in Psychology	3
Free Elective		3
Free Elective		3
Free Elective		3

Hours 12

Total Hours** 101-103

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170

Concentration Code: 617S

Revised: 09.24.2025

Psychology, Bachelor of Science (BS) / Psychology w/ Chatham University (MAP), Accelerated

The accelerated concentration within the Psychology (BS) will prepare students for the Master of Arts in Psychology (MAP) at Chatham University. The accelerated concentration is designed to give students an opportunity to enrich their undergraduate education with an intensive program in psychology and facilitate their entry into the M.A. in

Psychology at Chatham University. The course work is tailored to meet the needs of the student as both a Psychology major and in deepening their understanding of psychological science and theories.

The following are Psychology Chatham MAP accelerated requirements. If any of the following criteria are not satisfied, the concentration designation will be removed from the student's record:

1. A minimum of a grade of C in each psychology course
2. A cumulative GPA of 3.5 or better on a 4.0 scale
3. All Psychology required courses taken through SRU, except Introduction to Psychology
4. Required Professional Competency must be taken through SRU
5. Psychology elective courses may be transferred
6. Recommended that the student meet with a faculty member from Chatham University (either in person, by phone or by email) during their sophomore or junior year

Program Learning Outcomes

- **Theory and Content of Psychology:** Students should be familiar with the major theoretical approaches, findings, and historical trends in psychology. (UG2)
- **Methodology:** Students should understand and be able to use major research methods in psychology, including design, data analysis, and interpretation. (UG3 & UG4)
- **Critical Thinking, Logic, and Problem-Solving:** Students should use and respect skeptical inquiry, critical thinking, and the scientific approach to understanding behavior. (UG3 & UG4)
- **Information Competence, Technology, and Computers:** Students should demonstrate information competence and the ability to use computers and other technology for multiple purposes. (UG10)
- **Communication Skills:** Students should be able to express themselves effectively in written and oral communication. (UG1)
- **Application of Psychology:** Students should have an understanding of applications of psychology to personal, social, and organizational issues. (UG5, UG8, UG9)

Related Links

Psychology - Chatham MAP Accelerated, BS Program Page ([https://www.sru.edu/academics/majors-and-minors/psychology-pre-psychology-\(map\)-with-chatham-university/](https://www.sru.edu/academics/majors-and-minors/psychology-pre-psychology-(map)-with-chatham-university/))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher

Overall GPA: 3.5 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Writing Competency Requirements	
	Major Requirements	49-50
	Electives	29

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

This major can be declared until the semester during which the student will reach 45 credits.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 25 major credits must be taken at SRU or PASSHE
- 25 major credits must be at the 300 level or above
- Overall, 48 credit hours must be completed at the 300 or 400 level
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent

Code	Title	Hours
Required Courses (Grade of 'C' or higher required) ¹		
Required Courses may only be repeated once.		
PSYC 105	Introduction to Psychology	3
PSYC 231	Psychological Science I: Research Methods	3
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology ²	3
PSYC 311	Introduction to Behavioral Neuroscience	4
PSYC 375	Psychopathology of Adulthood	3
Subtotal		22
Applied Psychology Electives ¹		
Select two of the following:		6
PSYC 208	Personality	
PSYC 304	Theories of Counseling	
PSYC 306	Introduction to Psychological Testing	
PSYC 318	Psychopathology of Childhood and Adolescence	
PSYC 320	Introduction to Clinical Psychology	
PSYC 475	Behavior Modification	

Behavioral Elective ¹		
Select one of the following:		3-4
PSYC 233	Sensation & Perception	
PSYC 289	Positive Psychology	
PSYC 303	Learning	
PSYC 321	Drugs and Behavior	
PSYC 334	Health Psychology	
PSYC 338	Cognitive Psychology	
PSYC 471	Psychopharmacology	
PSYC 473	Hormones and Behavior	
PSYC 476	Clinical Neuroscience	

Developmental Psychology Electives ¹		
Select two of the following:		6
PSYC 364	Child and Adolescent Development	
PSYC 365	Psychology of Aging	
PSYC 415	Multicultural Identity Development	
PSYC 435	Resilience Across the Lifespan	

PSYC 477	Developmental Neuroscience	
Diversity Electives ¹		
Select one of the following:		3
PSYC 240	Human Sexual Behavior	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 392	Cross Cultural Psychology	
Required Professional Competency ¹		
PSYC 450	Field Capstone Internship in Psychology	6
PSYC 485	Seminar in Professional Psychology	3
Total Hours		49-50

¹ Courses count for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Electives

Code	Title	Hours
PSYC 350	Contemporary Topics in Psychological Science (Course may be repeated for a total of 2 credits)	1

Writing Competency Requirements

Code	Title	Hours
Writing in Psychology #1		
Writing in Psychology #2		
Writing in Psychology #3		
Professional Competencies Paper		

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International Study Programs
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership (Psi Chi, Psychology Club, Reflections Body Image Organization, Nu Rho Psi, Neuro Rocks)
5. Service-learning classes
6. Career education planning (Office of Career Education and Development)
7. Internships
8. Volunteering in local human services and mental health agencies
9. Job shadowing Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

PSYCHOLOGY - BS (6170)

Psychology with Chatham (MAP) (617B)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 09.19.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
PSYC 231	Psychological Science I: Research Methods	3
PSYC 276	Introduction to Abnormal Psychology	3
ENGL 104	Critical Reading	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PSYC 232	Psychological Science II: Statistical Applications	3
PSYC 244	Developmental Psychology	3
PSYC Elective #1		3
SCI 102	Understanding the Physical World	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Hours		15
Spring		
PSYC Elective #2		3
PSYC Elective #3		3
PSYC Elective #4		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
PSYC 311	Introduction to Behavioral Neuroscience	4

PSYC Elective #5	4
PSYC Elective #6	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Hours	17
Spring	
PSYC 450 Field Capstone Internship in Psychology	6
PSYC 485 Seminar in Professional Psychology	3
PSYC 375 Psychopathology of Adulthood	3
Free Elective	3
Hours	15
Total Hours**	94

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6170

Concentration Code: MAP (617B)

Revised: 09.24.2025

Psychology, Minor

Admission to the minor is based on availability of seats and students must declare the minor by the 1st semester of their Junior year. A grade of B or higher in Introduction to Psychology is required to declare and/or maintain the Minor.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Admissions Requirements

Admission to the Psychology Minor is by application and approval only.

- Must apply by Junior I status
- Must complete Introduction to Psychology with a grade of a "B" or higher to apply.
- Must submit the Psychology Minor Application form to the Psychology Department chair.
- Qualified students are admitted to the minor only as slots become available.

Minor Requirements

- Students must complete at least 9 credit hours in their minor from SRU
- A minimum of 9 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits
- Student must maintain a Psychology GPA of 2.0 at all times
- Students who do not meet minimum standards will be dismissed from the program. All dismissals are permanent

Code	Title	Hours
Required Courses		
PSYC 105	Introduction to Psychology ¹	3
Core Electives		
Select five courses, nine credits at 300 level or higher:		15
PSYC 205	Environmental Psychology	
PSYC 208	Personality	
PSYC 233	Sensation & Perception	
PSYC 240	Human Sexual Behavior	
PSYC 244	Developmental Psychology	
PSYC 276	Introduction to Abnormal Psychology	
PSYC 300	Psychology of Women, Gender and Culture	
PSYC 302	Psychology of Criminal Behavior	
PSYC 310	Introduction to Industrial-Organizational Psychology	
PSYC 315	Psychology of Sexual and Gender Diversity	
PSYC 321	Drugs and Behavior	
PSYC 360	History of Psychology	
PSYC 364	Child and Adolescent Development	
PSYC 377	Social Psychology	
PSYC 475	Behavior Modification	
Total Hours		18

¹ Students must earn a grade of "B" or higher in Introduction to Psychology to be admitted into the program. The course can only be repeated once.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PSYCHOLOGY (70A)

This program is effective as of Fall 2017.

UCC 03.05.20

Revised 10.28.2021

Public Health PROGRAMS MAJORS

- Health Science - Public Health, Bachelor of Science (BS) (p. 536)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Master of Public Health (SRU) (3+2) (p. 539)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3) (p. 541)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional) (p. 545)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3) (p. 548)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (Traditional) (p. 552)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (3+2) (p. 555)
- Health Science - Public Health, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (Traditional) (p. 558)

MINORS

- Gerontology, Minor (p. 535)
- Public Health, Minor (p. 562)

Gerontology, Minor

Coordinator

Adelle Williams

Gerontology is an interdisciplinary specialization that focuses on aging and the aging process. This specialization is designed to enhance the understanding of aging and enrich interactions among generations. It is a valuable adjunct for those preparing to work directly with, or indirectly for, older persons. Employment opportunities for students who have academic preparation in gerontology are available in community agencies, long term care facilities, hospitals, assisted living facilities, hospices, retirement villages, senior centers, and mental health facilities among others. The program is open to students in any major.

Students conduct an internship in an organization which provides services to older adults and students actively participate in a service learning project. Opportunities to participate in campus and community activities are available.

Sigma Phi Omega, the national gerontology honorary society recognized students' exemplary scholastic accomplishments in the field of aging. Undergraduate and graduate students are eligible to apply. The Anne Bicknell Scholarship is offered (based upon available funding) and an application, essay and references are required.

ADVISEMENT

Students planning to complete the program in gerontology will declare a major within a department. Major responsibility for advisement will rest within this department. However, the coordinator will assist students in the selection of gerontology courses and internship sites to fulfill

the requirements for the minor in gerontology. Students must assume responsibility for fulfilling all requirements for graduation.

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. Communicate proficiently using reading, writing, speaking, listening, data (research) multimedia, computers, group process, and the knowledge base of gerontology, to lead individual and group programs that incorporate gerontology principles for a health and diverse population. (UWO #1)
2. Identify, define, and describe biological, psychological, and social concepts and theories of aging accurately using theoretical concepts to interpret and analyze information, solve problems, and gain new insights into gerontological issues. (UWO #2, 3, 4)
3. Select and administer appropriate gerontology assessments that evaluate a wide range of gerontology components that enhance the quality of living and maintain functional capacity of older adults. (UWO #5)
4. Articulate the influence of ethics and values on ideas and actions. Take responsibility for ethical conduct displaying sensitivity for diverse cultural perspectives in the field of gerontology. Understand the impact of social and cultural contexts on the aging process in the United States and internationally. Design interventions consistent with multicultural traditions in individual families and within ethnic communities; and appreciate the contributions that our aging persons make to each other, their families, and society. (UWO #2, 8, 9)
5. Value and understand the importance of lifelong wellness activities in the maintenance of functioning for all older adults. Utilize this knowledge to assess, intervene, and enhance their quality of life and improve functioning. (UWO #5, 7)
6. Demonstrate knowledge, skills, attitudes, and confidence to function at entry-level in employment in the field of aging within a chosen profession. Take initiative for identifying and solving problems, and pursuing opportunities for continued professional and personal growth. (UWO #1, 2, 3, 4, 10)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
Student must complete at least one content course from each block below, plus two additional courses from any of the three blocks.		15
<i>Gerontology Courses</i>		

GERT 265	Aging and the Older Person (Required)	
GERT 425	Women and Aging	
GERT 465	Seminar in Gerontology	
GERT 490	Independent Study	
<i>Health/Science Courses</i>		
HLTH 314	Nutrition and Health	
NURS 498	Selected Topics	
RCTH 364	Biomechanics of Individuals with Disabilities	
RCTH 420	Recreational Therapy for Older Adults	
<i>Psychology/Sociology Courses</i>		
GERT 414	Death and Dying	
INDP 342	Sociology of Aging	
PSYC 365	Psychology of Aging	
Internship		
GERT 450	Gerontology Internship (Required) ¹	3
Total Hours		18

¹ Prerequisite – must have 9 hours of GERT courses

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GERONTOLOGY (98A)/CIM 207

UCC 02.25.2025

This program is effective as of Summer 2025

Revised 09.22.2025

Health Science - Public Health, Bachelor of Science (BS)

Slippery Rock University's Public Health Program is well known for the quality of its graduates. Public Health majors are successful at continuing on into graduate programs in the field of health science and finding jobs in a variety of health-related professions.

Public Health is a discipline in which professionals deliver health information and health programs for health promotion and disease prevention to populations. Graduates of this program have a broad based background in the field of public health that prepares them for graduate study in a health-related field along with entry level positions in such areas as health promotion, health education, and health data management.

The Public Health program is very dynamic. Coursework involves service learning experiences within a wide variety of settings. Public Health faculty members conduct on-going research projects in which advanced level students can become involved. Students help professors analyze data and prepare professional conference presentations, which the students actually present under the mentorship of faculty members. Other student activities include the Pennsylvania Public Health Association Collegiate Chapter and the peer health education program at Slippery Rock University.

Students are encouraged to take additional coursework or minors in complementary areas of study such as gerontology, information systems, or psychology. The program culminates in a 12-credit internship, which provides hands-on experiences and further insight into career opportunities in public health. Students may select their own internship site or may choose from a database of previously identified sites. Often it is through this internship experience that students discover the branch of public health in which they would like to practice. Students are required to select a major project for their internship experience that demonstrates mastery of entry-level professional skills. Frequently interns remain at their sites as employees following their internships.

Recent graduates have entered positions in state and local health departments, community-based wellness programs, voluntary health agencies such as the American Heart Association or American Cancer Society, federal government health programs, and health insurance companies. Graduates also enter graduate programs in a variety of areas. Many continue their studies to become physician assistants, occupational or physical therapists, nutritionists, and nurses. Others choose to earn a graduate degree in public health.

Upon completion of the Public Health program, students are eligible to sit for the Certified Health Education Specialist (CHES) examination, which is a national credentialing examination for people who wish to practice health education in a community setting. Today, the CHES credential is often preferred or even required for many community health education positions. Graduates who complete our Public Health program successfully pass the CHES examination at a rate well above the national average.

PROGRAM LEARNING OUTCOMES

1. Effective Professional Communication: Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)

2. Professional Competency: Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)

3. Professional Ethics: Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)

4. Continual Professional and Personal Development: Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and

vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

RELATED LINKS

Public Health, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-44
	Other Basic Requirements	0-3
	Major Requirements	60
	Natural Science and Math College-Wide Requirements	0-4
	Electives	12-18

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
Select one of the following:		3-4
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
<i>Physical Sciences Inquiry</i>		

Select one of the following: 3-4

CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	
PHYS 201	Elements of Physics I with Lab	
SCI 102	Understanding the Physical World	
Subtotal		15-17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change ¹	3
HLTH 104	Introduction to Public Health ¹	3
HLTH 204	Public Health Education and Communication ¹	3
HLTH 209	Foundations of Disease in Public Health ¹	3
HLTH 310	Environmental Health ¹	3
HLTH 313	Biostatistics ¹	3
HLTH 321	Advanced Disease Prevention in Public Health ¹	3
HLTH 322	Public Health Research Methods and Data Management ¹	3
HLTH 323	Social Determinants of Health ¹	3
HLTH 324	Epidemiology ¹	3

HLTH 406	Program Planning and Evaluation ¹	3
HLTH 407	Fundamentals of Public Health Policy and Management ¹	3
HLTH 411	Global Health ¹	3
HLTH 440	Public Health Seminar ¹	3
Subtotal		42
Required Internship		
HLTH 450	Internship ¹	6
Subtotal		6
Required Course outside of Major Department		
BIOL 210	Medical Microbiology with Lab ¹	3
Subtotal		3
Supporting Coursework:		
Select three courses from the list below:		9
GERT 265	Aging and the Older Person ²	
GERT 414	Death and Dying ²	
HLTH 211	Women's Health Issues ²	
HLTH 314	Nutrition and Health ²	
HLTH 316	Human Sexuality ²	
HLTH 408	Public Health Administration ²	
Subtotal		9
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Complete one of the following BIOL courses		3-4
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
Complete one of the following CHEM courses (CHEM 111 is required if completing CHEM 107):		3-4
CHEM 107 & CHEM 111 or CHEM 104	General Chemistry I and General Chemistry I Lab Introduction Chemistry I	
STAT 152	Elementary Statistics I	3
Total Hours		9-11

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships

4. Career Education

5. Peer Education Opportunities

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH (6266)/CIM 234

This program is effective as of Summer 2025

Revised 09.22.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
CHEM 104	Introduction Chemistry I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		13
Spring		
ENGL 104	Critical Reading	3
SCI 102	Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		12
Second Year		
Fall		
HLTH 104	Introduction to Public Health	3
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Thematic Thread Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
HLTH 204	Public Health Education and Communication	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Thematic Thread Requirement - 300+ Level (p. 19)		3

Social Science Inquiry (p. 19)	3
Hours	15
Third Year	
Fall	
HLTH 209 Foundations of Disease in Public Health	3
HLTH 322 Public Health Research Methods and Data Management	3
HLTH 314 Nutrition and Health	3
BIOL 210 Medical Microbiology with Lab	3
Hours	12
Spring	
HLTH 310 Environmental Health	3
HLTH 313 Biostatistics	3
HLTH 411 Global Health	3
Public Health Supporting Course	3
Hours	12
Fourth Year	
Fall	
HLTH 406 Program Planning and Evaluation	3
Public Health Supporting Course	3
Electives	9
Hours	15
Winter	
Potential On-line Winter Courses	
International Health	
Hours	0
Spring	
HLTH 324 Epidemiology	3
HLTH 440 Public Health Seminar	3
Public Health Supporting Course	3
Electives	5
Hours	14
Summer	
HLTH 450 Internship	12
Potential On-line Summer Courses	
HLTH 211 Women's Health Issues	
HLTH 411 Global Health	
Hours	12
Total Hours**	120

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6266
Revised: 09.24.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre-Master of Public Health (SRU) (3+2)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

RELATED LINKS

Public Health - Pre-Master of Public Health, BS Program Page (<https://www.sru.edu/programs/undergrad-public-health/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Public Health

- Major GPA: 2.0 or higher
- Overall GPA: 2.0 or higher

2nd Major: 3+2 Pre-Master of Public Health

- Major GPA: 3.0 or higher
- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42-44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	0-4
	Electives	27-33

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this

is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
Select one of the following:		3-4
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
<i>Physical Sciences Inquiry</i>		
Select one of the following:		3-4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	
PHYS 201	Elements of Physics I with Lab	
SCI 102	Understanding the Physical World	
Subtotal		15-17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42-44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change ¹	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health ¹	3
HLTH 313	Biostatistics ¹	3
HLTH 321	Advanced Disease Prevention in Public Health ¹	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health ¹	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation ¹	3
HLTH 407	Fundamentals of Public Health Policy and Management ¹	3
HLTH 411	Global Health	3
Subtotal		39
Required Internship		
HLTH 450	Internship ¹	3
Subtotal		3
Required Course outside of Major Department		
BIOL 210	Medical Microbiology with Lab ³	3
Subtotal		3
Total Hours		45

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
Complete one of the following BIOL courses		3-4
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	
BIOL 209	Human Anatomy and Physiology I	
Complete one of the following CHEM courses (CHEM 111 is required if completing CHEM 107):		3-4
CHEM 107 & CHEM 111 or CHEM 104	General Chemistry I and General Chemistry I Lab Introduction Chemistry I	
STAT 152	Elementary Statistics I	3
Total Hours		9-11

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH (6266)/CIM 553

This program is effective as of Summer 2026

Revised 09.22.2025

UCC 02.25.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

1. **Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)

2. **Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
3. **Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
4. **Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

RELATED LINKS

Public Health - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Public Health

- Overall GPA: 2.0 or higher
- Major GPA (only includes Health courses): 2.0 or higher

2nd Major: Pre-OT SRU 3+3 Public Health

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	43-44
	Other Basic Requirements	0-3
	Major Requirements	42
	Natural Science and Math College-Wide Requirements	0-4
	Additional Occupational Therapy Prerequisite Courses	18-19
	Electives	11-13

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this

is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Sciences Inquiry</i>		
Select one of the following:		3-4
PHYS 201	Elements of Physics I with Lab	
SCI 102	Understanding the Physical World	
Subtotal		16-17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
EXER 250	Medical Terminology	
PSYC 105	Introduction to Psychology	
Total Hours		43-44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Occupational Therapy SRU 3+3 Public Health and are not accepted into the OTD program, then additional coursework is required to complete a first major of Public Health. Please refer to Public Health Curriculum Guide.

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 321	Advanced Disease Prevention in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation	3
HLTH 407	Fundamentals of Public Health Policy and Management	3
HLTH 411	Global Health	3
HLTH 450	Internship	3
Total Hours		42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104	Introduction Chemistry I	3
STAT 152	Elementary Statistics I	3
Total Hours		14

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
INDP 318 or SOWK 318	Research Methods in Interdisciplinary Studies Research Methods	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab Biomechanics of Individuals with Disabilities	3-4
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		18-19

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Doctor of Occupational Therapy (OTD)

Prerequisite Admission Requirements – Pre-Occupational Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab Biomechanics of Individuals with Disabilities	4
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Anthropology or Sociology ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	

INDP 310	Cultural Area Studies
INDP 321	Minority Groups
INDP 324	The Family
INDP 326	Society, Culture and Self
INDP 339	Gender Roles and Society
INDP 342	Sociology of Aging
RCTH 120	Disability, Community Inclusion, and Diversity
SOWK 105	Human Diversity
Research Methods - Select One: ¹	3
EXER 300	Research Methods in Exercise Science
HCAM 499	Health Care Theory and Research Capstone Seminar
HLTH 322	Public Health Research Methods and Data Management
INDP 318	Research Methods in Interdisciplinary Studies
PSYC 231	Psychological Science I: Research Methods
RCTH 316	Applied Research and Evidenced-Based Practice
SOWK 318	Research Methods
Total Hours	33

¹ Select one course. See *My Rock Audit* for specific courses.

Pre-Occupational Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Occupational Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Occupational Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Occupational Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Occupational Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Occupational Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE PUBLIC HEALTH - BS (6266) /CIM 235

PRE-OT SRU 3+3 (6PHO)

This program is effective as of Summer 2025

Revised 09.22.2025

UCC 2.25.2025

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
CHEM 104	Introduction Chemistry I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
HLTH 103	Health and Behavior Change	3
ENGL 104	Critical Reading	3
PSYC 105	Introduction to Psychology	3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		18
Second Year		
Fall		
HLTH 204	Public Health Education and Communication	3
BIOL 209	Human Anatomy and Physiology I	4
EXER 250	Medical Terminology	3
INDP 108 or SOWK 105	Introduction to Anthropology or Human Diversity	3
PSYC 244	Developmental Psychology	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105 and EXSC 250) ²		
Hours		19
Spring		
HLTH 209	Foundations of Disease in Public Health	3
BIOL 210	Medical Microbiology with Lab	3
BIOL 309	Human Anatomy and Physiology II	4
PSYC 276	Introduction to Abnormal Psychology	3
STAT 152	Elementary Statistics I	3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		19
Third Year		
Fall		
HLTH 313	Biostatistics	3
HLTH 321	Advanced Disease Prevention in Public Health	3

HLTH 323	Social Determinants of Health	3
HLTH 406	Program Planning and Evaluation	3
HLTH 407	Fundamentals of Public Health Policy and Management	3
HLTH 411	Global Health	3
Thematic Thread Requirement - 300+ Level (p. 19) **		3
Hours		21
Spring		
HLTH 313	Biostatistics	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 324	Epidemiology	3
HLTH 450	Internship	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab or Biomechanics of Individuals with Disabilities	3-4
Hours		15-16
Fourth Year		
Fall		
If not admitted to SRU OTD Program		
3 Public Health Supporting Coursework courses		9
Hours		9
Winter		
Potential Online Winter Course		
HLTH 411	Global Health	
Hours		0
Spring		
If not admitted to SRU OTD Program		
HLTH 440	Public Health Seminar	3
HLTH 450	Internship (or summer after senior year)	6
Hours		9
Summer		
Potential On-line Summer Courses		
HLTH 411	Global Health	
Hours		0
Total Hours**		126-127

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

**You will already have if you declare a Thematic Thread Fall 2022 or later that includes PSYC 105 & Medical Terminology.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6266

Concentration Code: 6PHO

Revised 07.07.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre- Occupational Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

RELATED LINKS

Public Health - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	43-44
	Other Basic Requirements	0-3
	Major Requirements	60
	Natural Science and Math College-Wide Requirements	0-4
	Additional Occupational Therapy Prerequisite Courses	18-19
	Electives	0

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Sciences Inquiry</i>		
Select one of the following:		3-4
PHYS 201	Elements of Physics I with Lab	
SCI 102	Understanding the Physical World	
Subtotal		16-17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
EXER 250	Medical Terminology	
PSYC 105	Introduction to Psychology	

Total Hours **43-44**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy

thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change ¹	3
HLTH 104	Introduction to Public Health ¹	3
HLTH 204	Public Health Education and Communication ¹	3
HLTH 209	Foundations of Disease in Public Health ¹	3
HLTH 310	Environmental Health ¹	3
HLTH 313	Biostatistics ¹	3
HLTH 321	Advanced Disease Prevention in Public Health ¹	3
HLTH 322	Public Health Research Methods and Data Management ¹	3
HLTH 323	Social Determinants of Health ¹	3
HLTH 324	Epidemiology ¹	3
HLTH 406	Program Planning and Evaluation ¹	3
HLTH 407	Fundamentals of Public Health Policy and Management ¹	3
HLTH 411	Global Health ¹	3
HLTH 440	Public Health Seminar ¹	3
Subtotal		42
Required Internship		
HLTH 450	Internship ¹	6
Subtotal		6
Required Course outside of Major Department		
BIOL 210	Medical Microbiology with Lab ²	3
Subtotal		3
Supporting Coursework:		
Select three courses from the list below:		9
GERT 265	Aging and the Older Person ²	

GERT 414	Death and Dying ²	
HLTH 211	Women's Health Issues ²	
HLTH 314	Nutrition and Health ²	
HLTH 316	Human Sexuality ²	
HLTH 408	Public Health Administration ²	
Subtotal		9
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 104	Introduction Chemistry I	3
STAT 152	Elementary Statistics I	3

ADDITIONAL PRE-OT REQUIREMENTS

Code	Title	Hours
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
INDP 318	Research Methods in Interdisciplinary Studies	3
or SOWK 318	Research Methods	
PHYS 201	Elements of Physics I with Lab	3-4
or RCTH 364	Biomechanics of Individuals with Disabilities	
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		18-19

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH (6266)/CIM 236

PRE OT (SRU Traditional)

Effective Summer 2025

Revised 09.22.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
CHEM 104	Introduction Chemistry I	3
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar *	1
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
ENGL 104	Critical Reading	3
INDP 108	Introduction to Anthropology	3
or SOWK 105	or Human Diversity	
PSYC 105	Introduction to Psychology	3
SCI 102	Understanding the Physical World ⁴	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		18
Second Year		
Fall		
HLTH 104	Introduction to Public Health	3
BIOL 209	Human Anatomy and Physiology I	4
EXER 250	Medical Terminology	3
PSYC 244	Developmental Psychology	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105/EXSC 250) ²		
Hours		16
Spring		
HLTH 204	Public Health Education and Communication	3
BIOL 309	Human Anatomy and Physiology II	4
PSYC 276	Introduction to Abnormal Psychology	3
STAT 152	Elementary Statistics I	3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		16
Third Year		
Fall		
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 314	Nutrition and Health	3

HLTH 406	Program Planning and Evaluation	3
Public Health Supporting Coursework		3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		15
Spring		
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 324	Epidemiology	3
HLTH 411	Global Health	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab or Biomechanics of Individuals with Disabilities	3-4
Hours		15-16
Fourth Year		
Fall		
HLTH 209	Foundations of Disease in Public Health	3
BIOL 210	Medical Microbiology with Lab	3
Public Health Supporting Coursework		6
Hours		12
Winter		
Potential Online Winter Course		
HLTH 411	Global Health	
Hours		0
Spring		
HLTH 440	Public Health Seminar	3
Internship (unless taken prior to senior year)		12
Hours		15
Summer		
Potential On-line Summer Courses		
HLTH 211	Women's Health Issues	
HLTH 411	Global Health	
Hours		0
Total Hours**		123-124

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year. Choose a Thematic Thread that contains PSYC 105 & Medical Terminology.

⁴ Only if you choose to NOT take PHYS 201 with lab

* Students are encouraged to take ESAP 101 as a Free Elective.

**You will already have if you declare a Thematic Thread Fall 2022 or later that includes PSYC 105 & Medical Terminology.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6266

Concentration Code: SRU Traditional

Revised: 05.20.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

RELATED LINKS

Public Health - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Public Health

- Overall GPA: 2.00 or higher
- Major GPA (includes Major Requirements and College Wide Requirements): 2.00 or higher

2nd Major: Pre-PT SRU 3+3 Public Health

- Overall GPA: 3.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	42
	Natural Science and Math College-Wide Requirements	0-4
	Additional Physical Therapy Prerequisite Courses	18
	Electives	12

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical & Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
PSYC 105	Introduction to Psychology	
EXER 250	Medical Terminology	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Public Health 3+3 and are not accepted into the DPT program, then additional coursework is required to complete a first major of Public Health. Please refer to Public Health Curriculum Guide.

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 321	Advanced Disease Prevention in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation	3
HLTH 407	Fundamentals of Public Health Policy and Management	3
HLTH 411	Global Health	3
HLTH 450	Internship	3
Subtotal		42
Total Hours		42

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE WIDE REQUIREMENTS

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I ¹	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 107	General Chemistry I ¹	3
CHEM 111	General Chemistry I Lab	1
STAT 152	Elementary Statistics I ¹	3
Total Hours		15

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

Additional PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
PHYS 201	Elements of Physics I with Lab	4
PHYS 202	Elements of Physics II/ Lab	4
PSYC 105	Introduction to Psychology	3
PSYC 240	Human Sexual Behavior	3
or PSYC 244	Developmental Psychology	
Total Hours		18

3+3 REQUIREMENTS FOR ALL MAJORS

1. A 3.0 or higher GPA is required to remain in the 3+3 program.
2. You may not have more than one "W" in a required course.
3. You can only be in the 3+3 program for maximum of three (3) years full-time continuous enrollment. If any of these requirements are not met, the 3+3 designation will be removed from your record.
4. Should 3+3 Physical Therapy students be unsuccessful in completing the 1st year (either Fall and/or Spring semesters) of the DPT program and want to complete their original undergraduate degree, it is solely up to the discretion of their undergraduate program coordinator to determine which, if any, physical therapy courses will count toward the completion of their undergraduate degree. In addition, students must complete any unfulfilled requirements of his/her undergraduate major.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships

4. Career Education

5. Peer Education Opportunities

Doctor of Physical Therapy (DPT)

Prerequisite Admission Requirements – Pre-Physical Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT (<http://www.sru.edu/PT/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I and Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology and Introduction to Abnormal Psychology	3
Total Hours		31-33

Requirements for Pre-Physical Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physical Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physical Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (fall or spring) of the Doctor of Physical Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physical Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Physical Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE PUBLIC HEALTH - BS (6266)/CIM 237

3+3 PRE PT (62P5)

This program is effective as of Summer 2025

Revised 09.22.2025

UCC 2.25.2025

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		14
Spring		
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
ENGL 104	Critical Reading	3
PSYC 105	Introduction to Psychology	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
HLTH 104	Introduction to Public Health	3
BIOL 209	Human Anatomy and Physiology I	4
Additional PSYC course		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105) ²		
Hours		16
Spring		
HLTH 204	Public Health Education and Communication	3
BIOL 309	Human Anatomy and Physiology II	4
STAT 152	Elementary Statistics I	3
Thematic Thread Requirement - 300+ Level (p. 19)		3

Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		16
Third Year		
Fall		
HLTH 209	Foundations of Disease in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 314	Nutrition and Health	3
HLTH 406	Program Planning and Evaluation	3
PHYS 201	Elements of Physics I with Lab	4
Hours		16
Spring		
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 324	Epidemiology	3
HLTH 411	Global Health	3
PHYS 202	Elements of Physics II/ Lab	4
Hours		16
Fourth Year		
Fall		
Senior Year –Semester 1		
If not admitted to SRU DPT Program		
Public Health Supporting Coursework - select three		9
BIOL 210	Medical Microbiology with Lab	3
Hours		12
Winter		
Potential Online Winter Course		
HLTH 411	Global Health	
Hours		0
Spring		
Senior Year –Semester 2		
If not admitted to SRU DPT Program		
HLTH 440	Public Health Seminar	3
HLTH 450	Internship (or summer after senior year)	12
Hours		15
Summer		
Potential Online Summer Course		
HLTH 411	Global Health	
Hours		0
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year. Choose a Thematic Thread that contains PSYC 105.

* Students are encouraged to take ESAP 101 as a Free Elective.

**If your Thematic Thread does not include PSYC 105, you will need to take one additional lower level Thematic Thread course.

**This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to

review and confirm your plan with your adviser at least once each academic year.

Major Code: 6266

Concentration Code: 62P5

Revised 07.07.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre- Physical Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

RELATED LINKS

Public Health - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	60
	Natural Science and Math College-Wide Requirements	0-4
	Additional Physical Therapy Prerequisite Courses	18
	Electives	0

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Physical & Natural Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
EXER 250	Medical Terminology	
PSYC 105	Introduction to Psychology	

Total Hours **44**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change ¹	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health ¹	3
HLTH 313	Biostatistics ¹	3
HLTH 321	Advanced Disease Prevention in Public Health ¹	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health ¹	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation ¹	3
HLTH 407	Fundamentals of Public Health Policy and Management ¹	3
HLTH 411	Global Health	3
HLTH 440	Public Health Seminar ¹	3
Subtotal		42
Required Internship		
HLTH 450	Internship ¹	6
Subtotal		6
Required Course outside of Major Department		

BIOL 210	Medical Microbiology with Lab ²	3
Subtotal		3
Supporting Coursework:		
Select three courses from the list below:		9
GERT 265	Aging and the Older Person ²	
GERT 414	Death and Dying ²	
HLTH 211	Women's Health Issues ²	
HLTH 314	Nutrition and Health ²	
HLTH 316	Human Sexuality ²	
HLTH 408	Public Health Administration ²	
Subtotal		9
Total Hours		60

¹ Course counts for 50% of Major requirements and Major GPA

² Course counts for 50% of Major requirements but not for Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
STAT 152	Elementary Statistics I	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
Total Hours		15

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
PHYS 201	Elements of Physics I with Lab	4
PHYS 202	Elements of Physics II/ Lab	4
PSYC 105	Introduction to Psychology	3
Additional Psychology Course		3
Total Hours		18

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/ (<http://www.sru.edu/PT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH (6266)/CIM 238

PRE PT (SRU Traditional)

Effective Summer 2025

Revised 09.22.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1

SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		13
Spring		
ENGL 104	Critical Reading	3
PSYC 105	Introduction to Psychology	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		12

Second Year

Fall

HLTH 104	Introduction to Public Health	3
BIOL 209	Human Anatomy and Physiology I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Additional PSYC Course		3
Public Health Supporting Coursework		3
Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105/STAT 152)		
Hours		16

Spring

HLTH 204	Public Health Education and Communication	3
BIOL 309	Human Anatomy and Physiology II	4
STAT 152	Elementary Statistics I	3
Public Health Supporting Coursework		3
Hours		13

Third Year

Fall

HLTH 322	Public Health Research Methods and Data Management	3
HLTH 314	Nutrition and Health	3
HLTH 406	Program Planning and Evaluation	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		16

Spring

HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 324	Epidemiology	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Hours		13

Summer

HLTH 450	Internship	12
Hours		12

Fourth Year

Fall

HLTH 209	Foundations of Disease in Public Health	3
BIOL 210	Medical Microbiology with Lab	3

PHYS 201	Elements of Physics I with Lab	4
Thematic Thread Requirement (p. 19)		3
Hours		13

Winter**Potential On-line Winter Courses**

HLTH 411	Global Health	
Hours		0

Spring

HLTH 411	Global Health	3
HLTH 440	Public Health Seminar	3
PHYS 202	Elements of Physics II/ Lab	4
Public Health Supporting Coursework		3
Hours		13

Summer**Potential On-line Summer Courses**

HLTH 211	Women's Health Issues	
HLTH 411	Global Health	
Hours		0

Total Hours** 121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

**If your Thematic Thread does not include PSYC 105 and STAT 152, then you will need to take 2 additional lower level Thematic Thread courses.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6266

Concentration Code: SRU Traditional

Revised: 07.07.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre- Physician Assistant (SRU) (3+2)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)

3. **Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)

4. **Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

RELATED LINKS

Public Health - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Public Health

- Overall GPA: 2.00 or higher
- Major GPA (only includes Health courses): 2.00 or higher

2nd Major: Pre-PA SRU 3+2 Public Health

- Overall GPA: 3.00 or higher
- Overall GPA: 3.25 or higher (Fall 2018 and after)

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	45
	Natural Science and Math College-Wide Requirements	0-4
	Additional Physician Assistant Prerequisite Courses	21
	Electives	6

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the

graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Physical & Natural Sciences Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
EXER 250	Medical Terminology	
PSYC 105	Introduction to Psychology	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		

ESAP 110	Beginning Algebra
Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Physician Assistant SRU 3+2 Public Health and are not accepted into the PA program, then additional coursework is required to complete a first major of Public Health. Please refer to Public Health Curriculum Guide.

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 321	Advanced Disease Prevention in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation	3
HLTH 407	Fundamentals of Public Health Policy and Management	3
HLTH 411	Global Health	3
HLTH 450	Internship	3
Subtotal		42
Required Courses from other Departments		
BIOL 210	Medical Microbiology with Lab	3
Subtotal		3
Total Hours		45

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
STAT 152	Elementary Statistics I	3
Total Hours		15

ADDITIONAL PHYSICIAN ASSISTANT PREREQUISITE COURSES

Code	Title	Hours
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
Total Hours		21

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Physician Assistant Studies (Master of Science in Physician Assistant Studies)

Prerequisite Admission Requirements – Pre- Physician Assistant 3+2

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3

BIOL 325	Biostatistics and Experimental Design with Lab
STAT 152	Elementary Statistics I
Total Hours	39

Pre-Physician Assistant SRU 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.25 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physician Assistant SRU 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physician Assistant SRU 3+2 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Physician Assistant Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physician Assistant courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Physician Assistant Studies Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH - BS (6266)/CIM 239

PRE-PA RSU 3+2 (6SPH)

This program is effective as of Summer 2025

Revised 09.22.2025

UCC 02.25.2025

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		17
Spring		
BIOL 210	Medical Microbiology with Lab	3
ENGL 104	Critical Reading	3

PSYC 105	Introduction to Psychology	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15

Second Year**Fall**

HLTH 104	Introduction to Public Health	3
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
EXER 250	Medical Terminology	3
Select one of the following:		3

COMM 200 Civil Discourse: Theory & Practice

PHIL 110 Ethics and Civil Discourse

POLI 235 Civil Discourse and Democracy

Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105/EXSC 250)

Hours **17**

Spring

HLTH 204	Public Health Education and Communication	3
BIOL 309	Human Anatomy and Physiology II	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
STAT 152	Elementary Statistics I	3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Hours		17

Third Year**Fall**

HLTH 209	Foundations of Disease in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 314	Nutrition and Health	3
HLTH 406	Program Planning and Evaluation	3
CHEM 201	Organic Chemistry I	3
Thematic Thread Requirement - 300+ Level (p. 19) **		3
Hours		18

Spring

HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 324	Epidemiology	3
HLTH 411	Global Health	3
BIOL 250	Genetics with Lab	4
Hours		16

Fourth Year**Fall****If not admitted to SRU PA Program**

Public Health Supporting Coursework - select three		9
Hours		9

Winter

Potential Online Winter Course		
HLTH 411	Global Health	
Hours		0

Spring**If not admitted to SRU PA Program**

HLTH 440	Public Health Seminar	3
HLTH 450	Internship (or summer after senior year)	12
Hours		15

Summer**Potential Online Summer Course**

HLTH 411	Global Health	
Hours		0
Total Hours**		124

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year. Choose a Thematic Thread that contains PSYC 105 & Medical Terminology if you declare a Thread in Fall 2022 or later.

* Students are encouraged to take ESAP 101 as a Free Elective.

**You will already have if you declare a Thematic Thread Fall 2022 or later that includes PSYC 105 and Medical Technology.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6266

Concentration: 6SPH

Revised: 07.07.2025

Health Science - Public Health, Bachelor of Science (BS) / Pre-Physician Assistant (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental

and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

What are your options?

Pre-Physician Assistant SRU 3+2: Earn a Master of Science degree in Physician Assistant Studies in five years rather than six. In the first three years, you complete your major courses and prerequisites for the SRU PA program. At the end of your second year, you apply for admission into the SRU PA program. If accepted, your first year in the SRU PA program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physician Assistant (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU PA program and apply to the SRU PA program in your senior year.

RELATED LINKS

Public Health - Pre-Physician Assistant, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/public-health-pre-physician-assistant/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Overall GPA: 2.0 or higher Major GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	60
	Natural Science and Math College-Wide Requirements	0-4
	Additional Physician Assistant Prerequisite Courses	21
	Electives	0

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Physical & Natural Sciences Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Subtotal		17
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Required Thematic Thread Coursework:		
EXER 250	Medical Terminology	
PSYC 105	Introduction to Psychology	
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students may choose to earn a BS in Health Science – Public Health as preparation for graduate studies in many health care related fields. In this case, the student should learn what prerequisites are required

for his/her intended graduate program and take those courses as electives while completing the Public Health program.

Code	Title	Hours
Required Courses in Public Health		
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
HLTH 204	Public Health Education and Communication	3
HLTH 209	Foundations of Disease in Public Health	3
HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 321	Advanced Disease Prevention in Public Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 323	Social Determinants of Health	3
HLTH 324	Epidemiology	3
HLTH 406	Program Planning and Evaluation	3
HLTH 407	Fundamentals of Public Health Policy and Management	3
HLTH 411	Global Health	3
HLTH 440	Public Health Seminar	3
Subtotal		42
Required Internship		
HLTH 450	Internship	6
Subtotal		6
Required Course outside of Major Department		
BIOL 210	Medical Microbiology with Lab	3
Subtotal		3
Required Coursework:		
Select three courses from the list below:		9
GERT 265	Aging and the Older Person	
GERT 414	Death and Dying	
HLTH 211	Women's Health Issues	
HLTH 314	Nutrition and Health	
HLTH 316	Human Sexuality	
HLTH 408	Public Health Administration	
Subtotal		9
Total Hours		60

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS

Code	Title	Hours
CHEM 107	General Chemistry I	3
CHEM 111	General Chemistry I Lab	1
STAT 152	Elementary Statistics I	3
BIOL 209	Human Anatomy and Physiology I	4

BIOL 309	Human Anatomy and Physiology II	4
Total Hours		15

ADDITIONAL PHYSICIAN ASSISTANT PREREQUISITE COURSES

Code	Title	Hours
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 250	Genetics with Lab	4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
Total Hours		21

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Conference attendance
2. Service-Learning
3. Internships
4. Career Education
5. Peer Education Opportunities

Physician Assistant Studies (Master of Science in Physician Assistant Studies) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physician Assistant Studies (Master of Science in Physician Assistant Studies) website for requirements: <http://www.sru.edu/pa> (<http://www.sru.edu/pa/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physician Assistant		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
BIOL 250	Genetics with Lab	4
BIOL 210 or BIOL 330	Medical Microbiology with Lab Microbiology/Lab	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
CHEM 201	Organic Chemistry I	3
EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3

PSYC 105	Introduction to Psychology	3
<i>Inferential Statistics Course</i>		3
BIOL 325	Biostatistics and Experimental Design with Lab	
STAT 152	Elementary Statistics I	
Total Hours		39

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HEALTH SCIENCE - PUBLIC HEALTH (6266)/CIM 240

PRE-PA (SRU Traditional)

Effective Summer 2025

Revised 09.22.2025

UCC 02.25.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
HLTH 103	Health and Behavior Change	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		13
Spring		
ENGL 104	Critical Reading	3
PSYC 105	Introduction to Psychology	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		12
Second Year		
Fall		
HLTH 104	Introduction to Public Health	3
BIOL 209	Human Anatomy and Physiology I	4
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Public Health Supporting Coursework		3
Declare a Thematic Thread (Choose a Thematic Thread that contains PSYC 105/EXSC 250) ²		
Hours		13

Spring		
HLTH 204	Public Health Education and Communication	3
BIOL 210	Medical Microbiology with Lab	3
BIOL 309	Human Anatomy and Physiology II	4
STAT 152	Elementary Statistics I	3
Hours		13

Third Year

Fall		
HLTH 314	Nutrition and Health	3
HLTH 322	Public Health Research Methods and Data Management	3
HLTH 406	Program Planning and Evaluation	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
Thematic Thread Requirement - 300+ Level (p. 19) ³		3
Hours		16

Spring

HLTH 310	Environmental Health	3
HLTH 313	Biostatistics	3
HLTH 324	Epidemiology	3
HLTH 411	Global Health	3
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Hours		16

Summer

HLTH 450	Internship	12
Hours		12

Fourth Year

Fall		
HLTH 209	Foundations of Disease in Public Health	3
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
CHEM 201	Organic Chemistry I	3
Public Health Supporting Coursework		3
Hours		13

Winter

Potential On-line Winter Courses

HLTH 411	Global Health	
Hours		0

Spring

HLTH 440	Public Health Seminar	3
BIOL 250	Genetics with Lab	4
EXER 250	Medical Terminology	3
Public Health Supporting Coursework		3
Thematic Thread Requirement - 300+ Level (p. 19) ³		3
Hours		16

Summer

Potential On-line Summer Courses

HLTH 211	Women's Health Issues	

HLTH 411	Global Health
Hours	0
Total Hours**	124

* Students are encouraged to take ESAP 101 as a Free Elective.

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ If your Thematic Thread does not include one or both of these courses, then you will need to take 1 or 2 additional lower level Thematic Thread courses.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6266

Concentration Code: SRU Traditional

Revised: 07.07.2025

Public Health, Minor

Students in related disciplines find that a minor in Public Health opens additional opportunities in non-profit community agencies, departments of health, work-site health promotion, health care settings and health voluntaries such as the American Cancer Society and American Heart Association.

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

- Effective Professional Communication:** Communicate with clients in an individual or group setting and with health professionals in a variety of health settings using a combination of communication skills for a clear exchange of ideas and information, listening and comprehending the viewpoints of others, effectively presenting information in oral and written formats and integrating media/technology. (UO 1)
- Professional Competency:** Use reasoned judgment drawing upon a broad knowledge base from social, behavioral and natural science, education and health to assess, plan, implement, evaluate and coordinate health promotion for individuals and communities. (UO 2,3,4)
- Professional Ethics:** Apply high ethical standards to public health practice with a sensitivity to multicultural traditions, legal issues, and adherence to a code of ethics of professional health organizations. (UO 8,9,10)
- Continual Professional and Personal Development:** Continue personal and professional development in holistic health, including the components of physical, emotional, spiritual, social, environmental and vocational health, through continuing education, advanced study, and participation in professional health organizations. (UO 5,7,9)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Courses		
HLTH 103	Health and Behavior Change	3
HLTH 104	Introduction to Public Health	3
Electives		
Select four of the following:		12
HLTH 204	Public Health Education and Communication	
HLTH 209	Foundations of Disease in Public Health	
HLTH 310	Environmental Health	
HLTH 313	Biostatistics	
HLTH 321	Advanced Disease Prevention in Public Health	
HLTH 322	Public Health Research Methods and Data Management	
HLTH 323	Social Determinants of Health	
HLTH 324	Epidemiology	
HLTH 406	Program Planning and Evaluation	
HLTH 407	Fundamentals of Public Health Policy and Management	
HLTH 411	Global Health	
HLTH 440	Public Health Seminar	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PUBLIC HEALTH (40A)/CIM 366

This program is effective as of Summer 2025

Revised 05.06.2025

UCC 02.25.2025

Recreational Therapy

PROGRAMS

MAJORS

- Recreational Therapy, Bachelor of Science (BS) (p. 563)
- Recreational Therapy, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3) (p. 566)
- Recreational Therapy, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional) (p. 570)
- Recreational Therapy, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3) (p. 573)
- Recreational Therapy, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (Traditional) (p. 576)

MINORS

- Animal Assisted Interventions, Minor (p. 563)
- Recreational Therapy, Minor (p. 578)

Animal Assisted Interventions, Minor

Animals play an important role in promoting human health and well-being. The human-animal bond (HAB) is known to promote a variety of physiological, emotional and social benefits. In addition, intervention utilizing animals have produced recognized benefits for individuals with a variety of disabling conditions. The minor in Animal-Assisted Interventions uses an interdisciplinary approach for students to develop the competencies for using Animal-Assisted Interventions in their professional practice. This minor would be especially appropriate for students enrolled in a health-related, human service, or educational major.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Core Courses		
RCTH 252 or PHED 250	Equine Assisted Activities and Therapies Equine Assisted Activities	3
RCTH 305	Animal-Assisted Therapy for Diverse Populations & Settings	3
SOWK 300	Crisis Intervention	3
SOWK 310	Animal Assisted Interventions	3
Professional Electives		

Select two of the following:

6

RCTH 120	Disability, Community Inclusion, and Diversity
RCTH 232	Recreational Therapy for People with Physical Disabilities
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders
RCTH 420	Recreational Therapy for Older Adults
EXER 230	Stress Management
GERT 414	Death and Dying
INDP 103	Contemporary Social Problems
INDP 326	Society, Culture and Self
PCRM 342	Group Facilitation and Leadership
PHED 335	Science of the Mind-Body Connection
PSYC 244	Developmental Psychology
PSYC 276	Introduction to Abnormal Psychology
SOWK 328	Human Behavior and the Social Environment

Total Hours

18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Animal-Assisted Interventions (71C)

This program is effective as of Summer 2022

Revised 09.22.2025

UCC: 03.01.2022

Recreational Therapy, Bachelor of Science (BS)

PROGRAM LEARNING OUTCOMES

1. Degree Program Writing Competency: Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1

2. Life-Long Learning: Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6

3. Methodological Proficiency: Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,

4. Professional Decision Making: Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10

5. Professional Interactions: Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,

6. Valuing Ethical Responsibilities: Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

RELATED LINKS

Recreational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/recreational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		57
Professional Electives		6
NCTRC Certification Requirements		18
Electives		18

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Required Thematic Thread Coursework: ²		12
PHIL 325	Medical/Health Care Ethics	
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	
Additional 300-400 Level Course		
Additional 100-200 Level Course		
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above
- Students must become certified in First Aid and CPR. This can be accomplished by taking a course (example: American Heart Association or by completing SFMG 205 - First Aid & Safety).

Code	Title	Hours
Recreational Therapy Courses		
Must earn a "C" or better in all of the following RCTH courses:		
RCTH 120	Disability, Community Inclusion, and Diversity ¹	3
RCTH 220	Recreational Therapy Services ¹	3
RCTH 232	Recreational Therapy for People with Physical Disabilities ¹	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders ¹	3
RCTH 314	Clinical Aspects of Recreational Therapy ¹	3
RCTH 316	Applied Research and Evidenced-Based Practice ¹	3
RCTH 317	Organization and Management of Recreational Therapy Practice ¹	3
RCTH 319	Client Assessment in Recreational Therapy ¹	3
RCTH 320	Recreational Therapy Program Design ¹	3
RCTH 351	Recreational Therapy Practicum ¹	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
RCTH 415	Challenges and Trends in Recreational Therapy ¹	3
RCTH 420	Recreational Therapy for Older Adults ¹	3
RCTH 422	Leisure Education and Counseling ¹	3
RCTH 423	Facilitation of RT Interventions ¹	3
RCTH 450	Internship ^{1, 2}	12
Subtotal		57
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

² Evidence of current First Aid & CPR certification must be provided prior to enrollment

³ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

PROFESSIONAL ELECTIVES

Code	Title	Hours
PHIL 325 or HCAM 375	Medical/Health Care Ethics ¹ Ethics & Legal Fundamentals for the Health Professions	3
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		6

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total

NCTRC CERTIFICATION REQUIREMENTS

These courses must be completed by the student in order to be eligible to take NCTRC Certification Exam

Code	Title	Hours
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
PHIL 325 or HCAM 375	Medical/Health Care Ethics ¹ Ethics & Legal Fundamentals for the Health Professions	3
PSYC 105	Introduction to Psychology ¹	3
PSYC 244	Developmental Psychology ¹	3
PSYC 276	Introduction to Abnormal Psychology	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
Total Hours		18

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total

CO-CURRICULAR AND EXPERIMENTAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Internships
6. Volunteering

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RECREATIONAL THERAPY - BS (6393)

This program is effective as of Summer 2024

Revised 09.22.2025

UCC 04.16.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
RCTH 120	Disability, Community Inclusion, and Diversity	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
PSYC 105	Introduction to Psychology	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
RCTH 220	Recreational Therapy Services	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
PSYC 244	Developmental Psychology	3
Social Science Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders	3
PSYC 276	Introduction to Abnormal Psychology	3
SCI 101	Science of Life	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
RCTH 232 or RCTH 233	Recreational Therapy for People with Physical Disabilities (RCTH 232 is offered in Spring term only) or Recreational Therapy for People with Psychosocial and Mental Disorders	3
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3
Elective/Minor		6
Hours		15
Third Year		
Fall		
RCTH 316	Applied Research and Evidenced-Based Practice	3
RCTH 319	Client Assessment in Recreational Therapy	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Spring		
RCTH 314	Clinical Aspects of Recreational Therapy	3
RCTH 317	Organization and Management of Recreational Therapy Practice	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
RCTH 415	Challenges and Trends in Recreational Therapy	3
RCTH 423	Facilitation of RT Interventions	3
Hours		15
Fourth Year		
Fall		
RCTH 320	Recreational Therapy Program Design	3
RCTH 351	Recreational Therapy Practicum	3
RCTH 420	Recreational Therapy for Older Adults	3
RCTH 422	Leisure Education and Counseling	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
RCTH 450	Internship	12
PHIL 325 or HCAM 375	Medical/Health Care Ethics or Ethics & Legal Fundamentals for the Health Professions	3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 6393
Revised: 09.24.2025

Recreational Therapy, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

1. Degree Program Writing Competency: Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1

2. Life-Long Learning: Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of

strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6

3. Methodological Proficiency: Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,

4. Professional Decision Making: Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10

5. Professional Interactions: Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,

6. Valuing Ethical Responsibilities: Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

RELATED LINKS

Recreational Therapy - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/recreational-therapy-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Recreational Therapy

- Overall GPA: 2.0 or higher
- Major GPA (Includes Major Requirements): 2.0 or higher

2nd Major: Pre-OT SRU 3+3 Recreational Therapy

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	51
	NCTRC Certification Requirements	18
	Electives	25

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural and Physical Sciences Inquiry</i>		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
Subtotal		17
Thematic Thread		
Required Thematic Thread Coursework:		12
EXER 250	Medical Terminology	
PHIL 325	Medical/Health Care Ethics	
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	
Additional 300-400 Level Course		
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue the Pre-OT SRU 3+3 RT program and not accepted into the OTD program, then you are required to complete RCTH 415, RCTH 423, PHED 360 and additional approved RT electives. (See RT BS degree curriculum guide).

Code	Title	Hours
Recreational Therapy Courses		
Must earn a "C" or better in all of the following RCTH courses:		
RCTH 120	Disability, Community Inclusion, and Diversity ¹	3
RCTH 220	Recreational Therapy Services ¹	3
RCTH 232	Recreational Therapy for People with Physical Disabilities ¹	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders ¹	3
RCTH 314	Clinical Aspects of Recreational Therapy ¹	3
RCTH 316	Applied Research and Evidenced-Based Practice	3
RCTH 317	Organization and Management of Recreational Therapy Practice ¹	3
RCTH 319	Client Assessment in Recreational Therapy ¹	3
RCTH 320	Recreational Therapy Program Design ¹	3
RCTH 351	Recreational Therapy Practicum ¹	3
RCTH 364	Biomechanics of Individuals with Disabilities ¹	3
RCTH 420	Recreational Therapy for Older Adults ¹	3
RCTH 422	Leisure Education and Counseling ¹	3
RCTH 450	Internship ^{1,2}	12
Total Hours		51

¹ Course counts for 50% of Major requirements and Major GPA

² Students must become certified in First Aid and CPR. This can be accomplished by taking a course (example: American Heart Assoc.)

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		9

NCTRC CERTIFICATION REQUIREMENTS

These courses must be completed by the student in order to be eligible to take NCTRC Certification Exam

Code	Title	Hours
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
PHIL 325	Medical/Health Care Ethics ¹	3
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology ¹	3
PSYC 244	Developmental Psychology ¹	3
PSYC 276	Introduction to Abnormal Psychology	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
Total Hours		18

¹ Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

CO-CURRICULAR AND EXPERIMENTAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Internships
6. Volunteering

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements – Pre-Occupational Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4

EXER 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PHYS 201 or RCTH 364	Elements of Physics I with Lab Biomechanics of Individuals with Disabilities	4
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Anthropology or Sociology ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Pre-Occupational Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Occupational Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Occupational Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (summer or fall) of the Occupational Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Occupational Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements

of their undergraduate major. Students may still apply to the Doctor of Occupational Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RECREATIONAL THERAPY - BS (6393)

PRE-OT SRU 3+3 (6RTO)

This program is effective as of Summer 2024

Revised 09.22.2025

UCC 04.16.2024

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
RCTH 120	Disability, Community Inclusion, and Diversity	3
RCTH 220	Recreational Therapy Services	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar ¹	1
PSYC 105	Introduction to Psychology	3
SUBJ 139	Foundations of Academic Discovery *	3
Hours		16
Spring		
RCTH 232	Recreational Therapy for People with Physical Disabilities (Offered Spring Term only)	3
ENGL 104	Critical Reading	3
EXER 250	Medical Terminology	3
PSYC 244	Developmental Psychology	3
STAT 152	Elementary Statistics I	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		18
Second Year		
Fall		
RCTH 316	Applied Research and Evidenced-Based Practice	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders	3
BIOL 209	Human Anatomy and Physiology I	4
PSYC 276	Introduction to Abnormal Psychology	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Humanities Inquiry (p. 19)		3
Hours		19
Spring		
RCTH 314	Clinical Aspects of Recreational Therapy	3
RCTH 317	Organization and Management of Recreational Therapy Practice	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
BIOL 309	Human Anatomy and Physiology II	4
Thematic Thread Requirement (p. 19)		6
Hours		19
Third Year		
Fall		
RCTH 319	Client Assessment in Recreational Therapy	3
RCTH 320	Recreational Therapy Program Design	3
RCTH 351	Recreational Therapy Practicum	3
RCTH 420	Recreational Therapy for Older Adults	3
RCTH 422	Leisure Education and Counseling	3
PHIL 325 or HCAM 375	Medical/Health Care Ethics or Ethics & Legal Fundamentals for the Health Professions	3
Hours		18
Spring		
RCTH 450	Internship	12
Hours		12
Total Hours**		102

* Course offered in multiple subjects; cannot take course in first major subject.

¹ Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6RTO
Revised: 09.24.2025

Recreational Therapy, Bachelor of Science (BS) / Pre-Occupational Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

1. Degree Program Writing Competency: Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1

2. Life-Long Learning: Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of

strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6

3. Methodological Proficiency: Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,

4. Professional Decision Making: Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10

5. Professional Interactions: Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,

6. Valuing Ethical Responsibilities: Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

What are your options?

Pre-Occupational Therapy SRU 3+3: Earn a Doctor of Occupational Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU OTD program. At the end of your second year, you apply for admission into the SRU OTD program. If accepted, your first year in the SRU OTD program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Occupational Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU OTD program and apply to the SRU OTD program in your senior year.

RELATED LINKS

Recreational Therapy - Pre-Occupational Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/recreational-therapy-pre-occupational-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	43-44
	Other Basic Requirements	0-3
	Major Requirements	57

Professional Electives	9
NCTRC Certification Requirements	18
Electives	18

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning ²	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Science Inquiry		
BIOL 209	Human Anatomy and Physiology I	4
Physical Science Inquiry		
PHYS 201	Elements of Physics I with Lab	3-4
or RCTH 364	Biomechanics of Individuals with Disabilities	
Subtotal		16-17
Thematic Thread		
Required Thematic Thread Coursework:		12
EXER 250	Medical Terminology	
PHIL 325	Medical/Health Care Ethics	
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	
Additional 300-400 Level Course		
Total Hours		43-44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Consult with your academic adviser as course options are available to assist in meeting DOT prerequisite admission requirements.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Recreational Therapy Courses		
Must earn a "C" or better in all of the following RCTH courses:		
RCTH 120	Disability, Community Inclusion, and Diversity ¹	3
RCTH 220	Recreational Therapy Services ¹	3
RCTH 232	Recreational Therapy for People with Physical Disabilities ¹	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders ¹	3
RCTH 314	Clinical Aspects of Recreational Therapy ¹	3
RCTH 316	Applied Research and Evidenced-Based Practice	3
RCTH 317	Organization and Management of Recreational Therapy Practice ¹	3
RCTH 319	Client Assessment in Recreational Therapy ¹	3
RCTH 320	Recreational Therapy Program Design ¹	3
RCTH 351	Recreational Therapy Practicum ¹	3
RCTH 364	Biomechanics of Individuals with Disabilities ¹	3
RCTH 415	Challenges and Trends in Recreational Therapy ¹	3
RCTH 420	Recreational Therapy for Older Adults ¹	3
RCTH 422	Leisure Education and Counseling ¹	3
RCTH 423	Facilitation of RT Interventions ¹	3
RCTH 450	Internship ^{1, 2}	12
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

² Students must become certified in First Aid and CPR prior to the internship

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

PROFESSIONAL ELECTIVES

Code	Title	Hours
PHIL 325	Medical/Health Care Ethics	3
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		9

NCTRC CERTIFICATION REQUIREMENTS

These courses must be completed by the student in order to be eligible to take NCTRC Certification Exam

Code	Title	Hours
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
PHIL 325	Medical/Health Care Ethics	3
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
RCTH 364	Biomechanics of Individuals with Disabilities	3
Total Hours		18

ADDITIONAL OCCUPATIONAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
PSYC 276	Introduction to Abnormal Psychology	3
PSYC 244	Developmental Psychology	3
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Internships
6. Volunteering

Doctor of Occupational Therapy (OTD) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Occupational Therapy Studies (Master of Science in Occupational Therapy Studies) website for requirements: <http://www.sru.edu/OT> (<http://www.sru.edu/OT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Occupational Therapy		
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
EXER 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
PHYS 201	Elements of Physics I with Lab	4
or RCTH 364	Biomechanics of Individuals with Disabilities	
STAT 152	Elementary Statistics I	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
Research Methods - Select One: ¹		3
EXER 300	Research Methods in Exercise Science	
HCAM 499	Health Care Theory and Research Capstone Seminar	
HLTH 322	Public Health Research Methods and Data Management	
INDP 318	Research Methods in Interdisciplinary Studies	
PSYC 231	Psychological Science I: Research Methods	
RCTH 316	Applied Research and Evidenced-Based Practice	
SOWK 318	Research Methods	
Anthropology or Sociology - Select One: ¹		3
INDP 106	Race and Ethnic Diversity in the USA	
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
INDP 309	Health and Society	
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 326	Society, Culture and Self	
INDP 339	Gender Roles and Society	
INDP 342	Sociology of Aging	
RCTH 120	Disability, Community Inclusion, and Diversity	
SOWK 105	Human Diversity	
Total Hours		33

¹ Select one course. See *My Rock Audit* for specific courses.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RECREATIONAL THERAPY - BS (6393)

PRE-PT (SRU Traditional)

Effective Summer 2024

Revised 09.22.2025

UCC 04.16.2024

Recreational Therapy, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (3+3)

PROGRAM LEARNING OUTCOMES

- 1. Degree Program Writing Competency:** Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1
- 2. Life-Long Learning:** Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6
- 3. Methodological Proficiency:** Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,
- 4. Professional Decision Making:** Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10
- 5. Professional Interactions:** Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,
- 6. Valuing Ethical Responsibilities:** Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

RELATED LINKS

Recreational Therapy - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/recreational-therapy-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

1st Major: Recreational Therapy

- Overall GPA: 2.0 or higher
- Major GPA includes Major Requirements: 2.0 or higher

2nd Major: Pre-PT SRU 3+3 Recreational Therapy

- Overall GPA: 3.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	48
	NCTRC Certification Requirements	6
	Electives	34

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate. However, because this is a pre-professional program, credits taken during the 1st year of the graduate program are applied toward the undergraduate credit hours to meet the 120 credits required for your undergraduate degree.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural and Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
BIOL 209	Human Anatomy and Physiology I	4
Subtotal		17
Thematic Thread		
Required Thematic Thread Coursework: ²		12
EXER 250	Medical Terminology	
PHIL 325	Medical/Health Care Ethics	
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	
Additional 300-400 Level Course		
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- If you choose to pursue Pre-Physical Therapy SRU 3+3 Recreational Therapy and are not accepted into the DPT program, then additional

coursework is required to complete a first major of Recreational Therapy. Please refer to the Recreational Therapy Curriculum Guide.

Code	Title	Hours
Recreational Therapy Courses		
Must earn a “C” or better in all of the following RCTH courses:		
RCTH 120	Disability, Community Inclusion, and Diversity ¹	3
RCTH 220	Recreational Therapy Services ¹	3
RCTH 232	Recreational Therapy for People with Physical Disabilities ¹	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders ¹	3
RCTH 314	Clinical Aspects of Recreational Therapy ¹	3
RCTH 316	Applied Research and Evidenced-Based Practice ¹	3
RCTH 317	Organization and Management of Recreational Therapy Practice ¹	3
RCTH 319	Client Assessment in Recreational Therapy ¹	3
RCTH 320	Recreational Therapy Program Design ¹	3
RCTH 364	Biomechanics of Individuals with Disabilities ¹	3
RCTH 420	Recreational Therapy for Older Adults ¹	3
RCTH 422	Leisure Education and Counseling ¹	3
RCTH 450	Internship ¹	12
Total Hours		48

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NCTRC CERTIFICATION REQUIREMENTS

These courses must be completed by the student in order to be eligible to take NCTRC Certification Exam

Code	Title	Hours
PHIL 325	Medical/Health Care Ethics	3
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 276	Introduction to Abnormal Psychology	3
Total Hours		6

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 107	General Chemistry I	3
CHEM 108	General Chemistry II	3
CHEM 111	General Chemistry I Lab	1
CHEM 112	General Chemistry II Lab	1
PHYS 201	Elements of Physics I with Lab	4
PHYS 202	Elements of Physics II/ Lab	4

PSYC 244	Developmental Psychology	3
STAT 152	Elementary Statistics I	3
Total Hours		30

CO-CURRICULAR AND EXPERIMENTAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Internships
6. Volunteering

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements – Pre-Physical Therapy SRU 3+3

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT/ (<http://www.sru.edu/PT/>).

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Requirements for Pre-Physical Therapy SRU 3+3

If any of these requirements are not met, the 3+3 designation will be removed from the student's record:

1. A 3.0 or higher overall GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Physical Therapy SRU 3+3 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Physical Therapy SRU 3+3 student be unsuccessful in completing the 1st two semesters (fall or spring) of the Doctor of Physical Therapy Program and wants to complete the original undergraduate degree, it is solely up to the discretion of the undergraduate program Department Chair to determine which, if any, Physical Therapy courses will count toward the completion of his/her undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Doctor of Physical Therapy Program with an earned Bachelor's degree.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RECREATIONAL THERAPY - BS (6393)

PRE-PT SRU 3+3 (63P2)

This program is effective as of Summer 2024

Revised 09.22.2025

UCC 04.16.2024

RECOMMENDED THREE-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
RCTH 120	Disability, Community Inclusion, and Diversity	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
PHYS 201	Elements of Physics I with Lab	4
PSYC 105	Introduction to Psychology	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		17
Spring		
RCTH 220	Recreational Therapy Services	3
RCTH 232	Recreational Therapy for People with Physical Disabilities	3
ENGL 104	Critical Reading	3
PHYS 202	Elements of Physics II/ Lab	4
PSYC 244	Developmental Psychology	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		19
Second Year		
Fall		
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders	3
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4

PSYC 276	Introduction to Abnormal Psychology	3
STAT 152	Elementary Statistics I	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
RCTH 316	Applied Research and Evidenced-Based Practice	3
Declare a Thematic Thread ²		
Hours		19
Spring		
RCTH 314	Clinical Aspects of Recreational Therapy	3
RCTH 317	Organization and Management of Recreational Therapy Practice	3
BIOL 209	Human Anatomy and Physiology I	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Social Science Inquiry (p. 19)		3
Hours		17
Third Year		
Fall		
RCTH 319	Client Assessment in Recreational Therapy	3
RCTH 320	Recreational Therapy Program Design	3
RCTH 420	Recreational Therapy for Older Adults	3
RCTH 422	Leisure Education and Counseling	3
BIOL 309	Human Anatomy and Physiology II	4
Thematic Thread Requirement (p. 19)		3
Hours		19
Spring		
RCTH 450	Internship	12
PHIL 325	Medical/Health Care Ethics	3
Thematic Thread Requirement (p. 19)		3
Hours		18
Total Hours**		109

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

Major code: 63P2
Revised: 09.24.2025

Recreational Therapy, Bachelor of Science (BS) / Pre-Physical Therapy (SRU) (Traditional)

PROGRAM LEARNING OUTCOMES

1. Degree Program Writing Competency: Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1

2. Valuing Ethical Responsibilities: Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

3. Professional Interactions: Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,

4. Professional Decision Making: Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10

5. Methodological Proficiency: Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,

6. Life-Long Learning: Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6

What are your options?

Pre-Physical Therapy SRU 3+3: Earn a Doctor of Physical Therapy in six years rather than seven. In the first three years, you complete your major courses and prerequisites for the SRU DPT program. During your third undergraduate year, you apply for admission into the SRU DPT program. If accepted, your first year in the SRU DPT program meets the remaining requirements for your undergraduate degree. If not accepted, you continue to complete your undergraduate degree and can reapply to the program. The accelerated option is for incoming freshmen only.

Pre-Physical Therapy (SRU Traditional): Complete the requirements for your major and the prerequisites for the SRU DPT program and apply to the SRU DPT program in your senior year.

RELATED LINKS

Recreational Therapy - Pre-Physical Therapy, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/recreational-therapy-pre-physical-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	44
	Other Basic Requirements	0-3
	Major Requirements	57
	Professional Electives	12
	NCTRC Certification Requirements	18
	Electives	26

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
Select one of the following: ²		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
STAT 152	Elementary Statistics I	3
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i> ²		
BIOL 209	Human Anatomy and Physiology I	4
<i>Physical Sciences Inquiry</i>		
PHYS 201	Elements of Physics I with Lab	4
Subtotal		17

Thematic Thread

Required Thematic Thread Coursework: ^{2,3}		12
PHIL 325	Medical/Health Care Ethics	
or HCAM 375	Ethics & Legal Fundamentals for the Health Professions	
PSYC 105	Introduction to Psychology	
Additional 100-200 Level Course		
Additional 300-400 Level Course		
Total Hours		44

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Consult with your academic adviser as course options are available to assist in meeting DPT prerequisite coursework.

³ One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 30 major credits must be taken at SRU or PASSHE
- 30 major credits must be taken at the 300 level or above

Code	Title	Hours
Recreational Therapy Courses		
Must earn a "C" or better in all of the following RCTH courses:		
RCTH 120	Disability, Community Inclusion, and Diversity ¹	3
RCTH 220	Recreational Therapy Services ¹	3
RCTH 232	Recreational Therapy for People with Physical Disabilities ¹	3
RCTH 233	Recreational Therapy for People with Psychosocial and Mental Disorders ¹	3
RCTH 314	Clinical Aspects of Recreational Therapy ¹	3
RCTH 316	Applied Research and Evidenced-Based Practice ¹	3
RCTH 317	Organization and Management of Recreational Therapy Practice ¹	3
RCTH 319	Client Assessment in Recreational Therapy ¹	3
RCTH 320	Recreational Therapy Program Design ¹	3
RCTH 351	Recreational Therapy Practicum ¹	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
RCTH 415	Challenges and Trends in Recreational Therapy ¹	3
RCTH 420	Recreational Therapy for Older Adults ¹	3
RCTH 422	Leisure Education and Counseling ¹	3
RCTH 423	Facilitation of RT Interventions ¹	3
RCTH 450	Internship ^{1,2}	12
Total Hours		57

¹ Course counts for 50% of Major requirements and Major GPA

² Students must become certified in First Aid and CPR prior to the internship

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

NCTRC CERTIFICATION REQUIREMENTS

These courses must be completed by the student in order to be eligible to take NCTRC Certification Exam

Code	Title	Hours
PHED 360	Anatomical and Physiological Basis of Physical Activity/Lab	3
PHIL 325 or HCAM 375	Medical/Health Care Ethics Ethics & Legal Fundamentals for the Health Professions	3
PSYC 105	Introduction to Psychology	3
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
RCTH 364	Biomechanics of Individuals with Disabilities	3
Total Hours		18

ADDITIONAL PHYSICAL THERAPY PREREQUISITE COURSES

Code	Title	Hours
BIOL 209	Human Anatomy and Physiology I	4
BIOL 309	Human Anatomy and Physiology II	4
CHEM 107	General Chemistry I	3
CHEM 108	General Chemistry II	3
CHEM 111	General Chemistry I Lab	1
CHEM 112	General Chemistry II Lab	1
PHYS 201	Elements of Physics I with Lab	4
PHYS 202	Elements of Physics II/ Lab	4
PSYC 244	Developmental Psychology	3
STAT 152	Elementary Statistics I	3

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. High-Impact Practice (HIP) designated classes
2. Student-faculty research
3. Student leadership development
4. Service-learning classes
5. Internships
6. Volunteering

Doctor of Physical Therapy (DPT) Prerequisite Admission Requirements

For Application Requirements

Please refer to Slippery Rock University's Physical Therapy (Doctor of Physical Therapy) website for requirements: www.sru.edu/PT (<http://www.sru.edu/PT/>)

Rock Studies 2

Code	Title	Hours
Prerequisite Courses - SRU Physical Therapy		
Select one of the following:		6-8
BIOL 209 & BIOL 309	Human Anatomy and Physiology I and Human Anatomy and Physiology II	
BIOL 340 & BIOL 410	Vertebrate Anatomy with Lab and Animal Physiology with Lab	
CHEM 107 & CHEM 111	General Chemistry I and General Chemistry I Lab	4
CHEM 108 & CHEM 112	General Chemistry II and General Chemistry II Lab	4
Select one of the following:		8
PHYS 201 & PHYS 202	Elements of Physics I with Lab and Elements of Physics II/ Lab	
PHYS 216 & PHYS 217	University Physics 1 with Lab and University Physics 2 with Lab	
STAT 152 or BIOL 325	Elementary Statistics I Biostatistics and Experimental Design with Lab	3
PSYC 105	Introduction to Psychology	3
PSYC 244 or PSYC 276	Developmental Psychology Introduction to Abnormal Psychology	3
Total Hours		31-33

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

RECREATIONAL THERAPY - BS

PRE-PT (SRU Traditional)

Effective Summer 2024

Revised 09.22.2025

UCC 04.16.2024

Recreational Therapy, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. **Degree Program Writing Competency:** Upon completion of the degree program RT students will write professionally and effectively, according to expectations of the Recreational Therapy profession. – UG1

2. Life-Long Learning: Recognize the importance of lifelong learning and demonstrates responsibly for self-assessment and growth. This ability is evident through the demonstration of self-initiating behaviors, anticipating and responding to changes in a productive manner, assuming responsibility for continuous self-reflection assessment of strengths and limitations and in seeking out information from a variety of resources in an independent manner. – UG5, UG6

3. Methodological Proficiency: Upon completion of the degree program RT students will use an analytical framework to facilitate the Recreational Therapy process to meet the needs of individuals. The abilities developed include a solid knowledge of the RT process, assessment methods, planning skills, intervention, techniques and strategies, and evaluation skills. – UG2, UG3, UG4,

4. Professional Decision Making: Analyze and synthesize complex information to make sound clinical decisions. This ability is inclusive of areas such as problem solving, critical thinking, evaluation and organization with application to clinical and non-clinical areas. – UG10

5. Professional Interactions: Effectively communicates with people in a variety of professional contexts including assisting clients in confronting and coping with life challenges, collaborating on teams and presenting information in oral and written formats. The abilities developed include striving to maintain objectivity, tolerating ambiguity, appreciating diversity and adhering to conventional standards of expression. – UG8, UG10,

6. Valuing Ethical Responsibilities: Act with professional values in all situations. These skills include maintaining appropriate humane and ethical treatment of individuals as well as upholding the professional code of ethics. This expertise includes formulating value judgments reflecting a respect for dignity and individuality of every person. – UG7, UG8, UG9

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Recreational Therapy Courses		
RCTH 120	Disability, Community Inclusion, and Diversity	3
RCTH 220	Recreational Therapy Services	3
RCTH 314	Clinical Aspects of Recreational Therapy	3
RCTH 319	Client Assessment in Recreational Therapy	3
RCTH 351	Recreational Therapy Practicum	3
Select one of the following courses:		3
RCTH 232	Recreational Therapy for People with Physical Disabilities	

RCTH 233 Recreational Therapy for People with Psychosocial and Mental Disorders

RCTH 420 Recreational Therapy for Older Adults

Total Hours

18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Recreational Therapy (71B)

This program is effective as of Summer 2024

Revised: 03.15.2024

UCC 02.13.2024

Social Work

PROGRAMS

MAJORS

- Social Work, Bachelor of Science (BS) (p. 579)

MINORS

- Social Work, Minor (p. 582)

Social Work, Bachelor of Science (BS)

Program Director: Dr. Christopher Streidl

Social work is a profession that applies knowledge about people and society to help persons, groups, or communities meet a diversity of needs, solve a wide range of problems, promote social justice, and assist people in becoming empowered. The baccalaureate program in social work prepares students for generalist social work practice. As beginning professional social workers, graduates typically work in the areas of child welfare, juvenile and adult corrections, public assistance, health and mental health, aging domestic violence, and chemical dependency, among others.

The undergraduate program in social work awards a Bachelor of Science degree in Social Work and is accredited by the Council on Social Work Education, the national accrediting agency for social work. Accreditation standards require a solid core of courses on social welfare issues and policies, social work practice skills, basic social science research methods, and a broad background in the liberal arts with special emphasis on psychology, biology, economics, politics, sociology, organization, and diverse ethnic groups. In fulfilling the academic

requirements for social work, students must also uphold the values of the profession of Social Work as expressed in the National Association of Social Work’s Code of Ethics.

Program Learning Outcomes

1. To prepare professionals to be competent and effective in generalist social work practice through the mastery of the nine core competencies identified by the Council on Social Work Education. (U1, U2, U3, U4, U5, U6, U7, U8, U9)
2. To prepare professionals who are committed to providing services grounded in the values of the social work profession. (U1, U5, U7, U8, U9)
3. To prepare professionals who are responsive to the changing contexts of increasingly diverse communities. (U1, U2, U5, U7, U8, U9)

Related Links

Social Work, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/social-work/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major Requirements		57
Electives		21

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 29 major credits must be taken at SRU or PASSHE
- 29 major credits must be taken at the 300 level or above
- ACT 34 (Criminal History) and ACT 151 (Child Abuse) clearances are required for admission to the Social Work program.
- Students must have a cumulative GPA of 2.0 for admission to the Social Work program.

Code	Title	Hours
Core Course (Other Disciplines)		
Select one of the following:		3
PSYC 105	Introduction to Psychology ^{1,2}	
INDP 104	Principles of Sociology ^{1,2}	
Subtotal		3

Required Core Courses – Social Work

SOWK 105	Human Diversity ¹	3
SOWK 251	Introduction to Social Work ¹	3
SOWK 311	Clinical and Academic Documentation for Social Work ¹	3
SOWK 328	Human Behavior and the Social Environment ¹	3
SOWK 340	Social Welfare Institutions ¹	3
SOWK 355	Social Work Practice with Individuals ¹	3
SOWK 356	Social work Practice with Groups & Families ¹	3
SOWK 357	Social Work Practice with Organizations and Communities ¹	3
SOWK 407	Social Policy Issues ¹	3
SOWK 450	SOWK Internship ¹	12
SOWK 460	Social Work Integrative Seminar ¹	3
Subtotal		42

Research Methods

SOWK 318	Research Methods ¹	3
Subtotal		3

Social Work Electives

Select three of the following:

SOWK 200	Introduction to Child Welfare ¹	
SOWK 230	Social Justice and Equality ¹	
SOWK 300	Crisis Intervention ¹	
SOWK 310	Animal Assisted Interventions	
SOWK 321	Forensic Social Work	
SOWK 334	Clinical Perspectives on DSM Diagnoses	
SOWK 375	Social Work Practice with Substance Use Disorders	
SOWK 732	Post Traumatic Stress Disorder ³	
SOWK 734	Trauma-Informed Care ³	
SOWK 736	Social Work With Families Impacted By Trauma ³	
SOWK 737	Behavioral Health Services in Child Welfare and Juvenile Justice ³	
SOWK 738	Intervention for Sexual Assault and Interpersonal Violence ³	
SOWK 739	Forensic Social Work in Corrections ³	
SOWK 740	Animal-Assisted Social Work ³	
SOWK 741	Grief & Loss: Theory & Skills for Intervention ³	
Subtotal		9

Total Hours 57¹ Course counts for 50% of Major requirements and Major GPA² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.³ Course is part of the 4+ program which permits 4+ students the option to complete 6 credits of graduate coursework in their senior year. See advisor for details.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Field trips
2. Career Education
3. Internships/ Field Experience
4. High-Impact Practice (HIP) designated classes
5. Job shadowing
6. Community Engaged Learning

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

SOCIAL WORK - BS (6181 - 4D) / CIM 389

This program is effective as of Summer 2025

Revised 09.22.2025

UCC 11.26.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SOWK 105	Human Diversity	3
INDP 104 or PSYC 105	Principles of Sociology or Introduction to Psychology	3
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ¹	3
ESAP 101	FYRST Seminar *	1
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
SOWK 251	Introduction to Social Work	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Humanities Inquiry (p. 19)		3
Hours		15

Second Year**Fall**

SOWK 328	Human Behavior and the Social Environment	3
SOWK 318	Research Methods	3
SOWK 355	Social Work Practice with Individuals	3
SCI 101	Science of Life	3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15

Spring

SOWK 319	Statistical Methods	3
SOWK 356	Social work Practice with Groups & Families	3
SCI 102	Understanding the Physical World	3
Elective		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Third Year**Fall**

SOWK 340	Social Welfare Institutions	3
SOWK 357	Social Work Practice with Organizations and Communities	3
Thematic Thread OR Social Work Elective (p. 19)		3
Thematic Thread OR Elective (p. 19)		3
Rock Studies 2 Thread course OR Social Work Elective (p. 19)		3
Hours		15

Spring

SOWK 407	Social Policy Issues	3
Social Work Elective		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Elective		3
Hours		15

Fourth Year**Fall**

Thematic Thread OR Social Work Elective (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Elective		3
Hours		15

Spring

SOWK 450	SOWK Internship (S or summer)	12
SOWK 460	Social Work Integrative Seminar (S or summer)	3
Hours		15
Total Hours**		121

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 6181
Reviewed: 07.10.2025

Social Work, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
SOWK 251	Introduction to Social Work	3
SOWK 328	Human Behavior and the Social Environment	3
SOWK 340	Social Welfare Institutions	3
Social Work Electives		
Select three of the following, at least one at 300 level or higher:		9
SOWK 105	Human Diversity	
SOWK 200	Introduction to Child Welfare	
SOWK 230	Social Justice and Equality	
SOWK 300	Crisis Intervention	
SOWK 310	Animal Assisted Interventions	
SOWK 311	Clinical and Academic Documentation for Social Work	
SOWK 318	Research Methods	
SOWK 319	Statistical Methods	
SOWK 321	Forensic Social Work	
SOWK 334	Clinical Perspectives on DSM Diagnoses	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN SOCIAL WORK(80B)

This program is effective as of Fall 2009

Revised 8-2019

College of Liberal Arts

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The following academic programs and units are in the College of Liberal Arts:

- Art (p. 583)
- Criminology and Criminal Justice (p. 635)
- Dance (p. 644)
- English (p. 657)
- Gender Studies (p. 672)
- History (p. 674)
- Interdisciplinary Programs (p. 681)
- Leadership (p. 703)
- Modern Languages (p. 706)
- Music (p. 729)
- Philosophy (p. 766)
- Political Science (p. 776)
- Theatre (p. 789)

Art

Programs

Majors

- Art, Bachelor of Arts (BA) (p. 586)
- Art, Bachelor of Fine Arts (BFA) (p. 588)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Ceramic Arts (p. 591)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Digital Media (p. 594)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Drawing (p. 597)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Fiber Arts (p. 600)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Graphic Design (p. 603)
- Art, Bachelor of Fine Arts (BFA) - Concentration in K-12 Art Teacher Preparation (p. 606)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Metalsmithing (p. 610)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Painting (p. 612)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Photography (p. 615)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Printmaking (p. 618)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Psychology (p. 621)
- Art, Bachelor of Fine Arts (BFA) - Concentration in Sculpture (p. 624)

Minors

- Art - Graphic Design for Communications Majors, Minor (p. 583)
- Art for Elementary Education Majors, Minor (p. 584)
- Art History, Minor (p. 585)
- Art, Minor (p. 627)
- Nonprofit Management in Art, Minor (p. 635)

Certificates

- Art: Ceramics, Certificate (p. 628)
- Art: Digital Media, Certificate (p. 628)
- Art: Drawing, Certificate (p. 629)
- Art: Fiber Art, Certificate (p. 630)
- Art: Graphic Design, Certificate (p. 631)
- Art: Metalsmithing, Certificate (p. 631)
- Art: Painting, Certificate (p. 632)
- Art: Photography, Certificate (p. 633)
- Art: Printmaking, Certificate (p. 633)
- Art: Sculpture, Certificate (p. 634)

Art - Graphic Design for Communications Majors, Minor

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Basic Studio Courses		
ART 100	2-D Design	3
ART 113	Basic Studio Graphic Design	3
ART 114	Basic Studio Digital Media	3
or ART 107	Basic Studio Photography	
Art Synthesis Course		
ART 205	Intermediate Studio Drawing	3
Advanced Studio Courses		
ART 313	Advanced Studio Graphic Design	3

ART 314	Advanced Studio Digital Media	3
Senior Studio Course		
Select one of the following:		3
ART 405	Senior Studio Drawing	
ART 406	Senior Studio Painting	
ART 407	Senior Studio Photography	
ART 408	Senior Studio Printmaking	
ART 413	Senior Studio Graphic Design	
ART 414	Senior Studio Digital Media	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions
MINOR IN ART GRAPHIC DESIGN (04D)
For Communication Major(s)
This program is effective as of Summer 2024
Revised: 12.19.2023
UCC: 11.28.2023

Art for Elementary Education Majors, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Basic Studio Required Course		
ART 105	Basic Studio Drawing	3

Basic 2D Studio Courses

Select one of the following:	3
ART 106	Basic Studio Painting
ART 107	Basic Studio Photography
ART 108	Basic Studio Printmaking
ART 114	Basic Studio Digital Media

Basic 3D Studio Courses

Select one of the following:	3
ART 109	Basic Studio Metalsmithing
ART 110	Basic Studio Sculpture
ART 111	Basic Studio Fiber Art
ART 112	Basic Studio Ceramics

Art History Course

ART 225	Overview of Western Art	3

Art Synthesis Course

Select one of the following:	3
ART 205	Intermediate Studio Drawing
ART 206	Intermediate Studio Painting
ART 207	Intermediate Studio Photography
ART 208	Intermediate Studio Printmaking
ART 209	Intermediate Studio Metalsmithing
ART 210	Intermediate Studio Sculpture
ART 211	Intermediate Studio Fiber Art
ART 212	Intermediate Studio Ceramics
ART 213	Intermediate Studio Graphic Design
ART 214	Intermediate Studio Digital Media

Advanced Studio Courses

Select one of the following:	3
ART 305	Advanced Studio Drawing
ART 306	Advanced Studio Painting
ART 307	Advanced Studio Photography
ART 308	Advanced Studio Printmaking
ART 309	Advanced Studio Metalsmithing
ART 310	Advanced Studio Sculpture
ART 311	Advanced Studio Fiber Art
ART 312	Advanced Studio Ceramics
ART 313	Advanced Studio Graphic Design
ART 314	Advanced Studio Digital Media

Advanced Topics in Elementary Art

ART 317	Elementary Art Methods and Materials	3

Total Hours	21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ART FOR EARLY CHILDHOOD MAJORS (04C)

This program is effective as of Fall 2007.

Revision date: 8-2019

Art History, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Art Courses		
ART 225	Overview of Western Art	3
ART 226	Overview of World Art	3
Electives		
Select four of the following:		12
ART 325	North American Art History	
ART 335	The Renaissance Tradition	
ART 345	Foundations of Modern Art	
ART 355	Early Modern Art	
ART 365	Art Since 1945	
ART 420	Art History Seminar	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ART HISTORY (04B)
This program is effective as of Spring 2004
Revision date: 8-2019

Art, Bachelor of Arts (BA)

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-ba/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		39
Electives		39

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	

POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Core Courses		
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 100	2-D Design ¹	3
or ART 101	3-D Design	
Subtotal		9
300 Level Art History		
Select one of the following:		
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
Subtotal		3
Basic Studio Elective		
Select one of the following:		
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
ART 114	Basic Studio Digital Media ¹	
Subtotal		3
2D Elective		
Select one of the following:		
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	
Subtotal		3
3D Elective		
Select one of the following:		
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
Subtotal		3
300 Level Electives		
Select three of the following, you may take any class twice:		
ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	

ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
Subtotal		9
Senior Studio		
Select three of the following, you may take any class twice:		
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Subtotal		9
Total Hours		39

¹ Course counts for 50% of Major and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BA (5 04)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MODL 101	Modern Language Requirement	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Elective, Minor or Other Requirement		3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio (2D Elective)	3
POLI 235	Civil Discourse and Democracy	3
MODL 102	Modern Language Requirement	3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 2XX	Intermediate Studio (3D Elective)	3
ART 3XX	Art History Elective	3
SCI 102	Understanding the Physical World	3
Elective, Minor, or Other Requirement		3
Elective, Minor, or Other Requirement		3
Hours		15
Third Year		
Fall		
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
MODL 103	Modern Language Requirement	3
Elective, Minor, or Other Requirement		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ART 3XX	Advanced Studio	3
ART 4XX	Senior Studio	3
Elective, Minor, or Other Requirement		3
Elective, Minor, or Other Requirement		3

Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
ART 4XX	Senior Studio	3
Social Science Inquiry (p. 19)		
Thematic Thread Requirement (p. 19)		3
Elective, Minor, or Other Requirement		3
Elective, Minor, or Other Requirement		3
Hours		12
Spring		
ART 4XX	Senior Studio	3
SCI 101	Science of Life	3
Thematic Thread Requirement (p. 19)		3
Elective, Minor, or Other Requirement		3
Elective, Minor, or Other Requirement		3
Hours		15
Total Hours**		118

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 04

Revision Code: 09.24.2025

Art, Bachelor of Fine Arts (BFA)

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	78

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Subtotal		18
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Subtotal		6
100 Level Electives		
Select three of the following, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
ART 114	Basic Studio Digital Media ¹	
Subtotal		9
200 Level Electives		
Select four of the following courses, take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	

ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	
Subtotal		12

300 Level Electives

Select four of the following, take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
Subtotal		12

400 Level Electives

Select three of the following, take any class up to two times: 9

ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Subtotal		9

SR Project

Select one of the following, 400 level pre-req or permission of instructor: 3

ART 425	Senior Project Drawing ¹	
ART 426	Senior Project Painting ¹	
ART 427	Senior Project Photography ¹	
ART 428	Senior Project Printmaking ¹	
ART 429	Senior Project Metalsmithing ¹	
ART 430	Senior Project Sculpture ¹	
ART 431	Senior Project Fiber Art ¹	
ART 432	Senior Project Ceramics ¹	
ART 433	Senior Project Graphic Design ¹	
ART 434	Senior Project Digital Media ¹	
Subtotal		3

Art ElectivesSelect three 300-400 level courses ¹ 9**Total Hours** 78¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art ³	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1XX	Basic Studio	3
ART 1XX	Basic Studio	3

ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15

Second Year**Fall**

ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Humanities Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15

Spring

ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
SCI 102	Understanding the Physical World	3
Hours		15

Third Year**Fall**

ART 3XX	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 3XX/4XX	Art Elective	3
SCI 101	Science of Life	3
Hours		15

Spring

ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
Thematic Thread Requirement (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15

Fourth Year**Fall**

ART 4XX	Senior Studio	3
ART 4XX	Senior Studio	3
ART 30X/40X	ART Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Spring

ART 30X or 40X Art Elective		3
ART 30X/40X	ART Elective	3
ART 4XX	Senior Studio	3
ART 4XX	Senior Project	3
Thematic Thread Requirement (p. 19)		3
Hours		15

Total Hours** 121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Meets Creative & Aesthetics Inquiry requirement for the Rock Integrated Studies Program.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5305

Revision date: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Ceramic Arts

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Ceramic Arts, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-concentration-in-ceramics/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Ceramic Arts Concentration (15 credits)		
Select 12 credits from the following:		
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable - see below for course details).		
ART 112	Basic Studio Ceramics ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 412	Senior Studio Ceramics ¹	
<i>Ceramic Arts 1st Concentration Required - Capstone Course</i>		3
ART 432	Senior Project Ceramics ¹	
Additional Studio Requirements		
<i>100 Level Electives</i>		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics	
ART 113	Basic Studio Graphic Design ¹	
<i>200 Level Electives</i>		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	

ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹
ART 312	Advanced Studio Ceramics ¹
ART 313	Advanced Studio Graphic Design ¹
ART 314	Advanced Studio Digital Media ¹

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹
ART 406	Senior Studio Painting ¹
ART 407	Senior Studio Photography ¹
ART 408	Senior Studio Printmaking ¹
ART 409	Senior Studio Metalsmithing ¹
ART 410	Senior Studio Sculpture ¹
ART 411	Senior Studio Fiber Art ¹
ART 412	Senior Studio Ceramics ¹
ART 413	Senior Studio Graphic Design ¹
ART 414	Senior Studio Digital Media ¹

Art Electives

Select from 300-400 level courses 9

Total Hours 78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships

8. Student exhibitions

9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Ceramic Arts (CERA)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1XX	Basic Studio (Ceramic Arts Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Humanities Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ¹		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio (Ceramic Arts Concentration)	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3

SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 3XX	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Ceramic Arts Concentration)	3
Thematic Thread Requirement (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15
Fourth Year		
Fall		
ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Ceramic Arts Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4xX	Senior Studio	3
ART 4xX	Senior Project (Ceramic Arts Concentration)	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Total Hours**		121

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)
Concentration in Ceramic Arts (CERA)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Digital Media

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Digital Media, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-digital-media/>)
Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Science Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3

Art History Electives

Select two of the following: 6

ART 325	North American Art History ¹
ART 335	The Renaissance Tradition ¹
ART 345	Foundations of Modern Art ¹
ART 355	Early Modern Art ¹
ART 365	Art Since 1945 ¹
ART 420	Art History Seminar ¹

Digital Media Concentration (15 Credits)

Select 12 credits from the following:

Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details)	
ART 114	Basic Studio Digital Media ¹
ART 214	Intermediate Studio Digital Media ¹
ART 314	Advanced Studio Digital Media ¹
ART 414	Senior Studio Digital Media ¹

Digital Media 1st Concentration Required – Capstone Course

ART 434	Senior Project Digital Media ¹	3

Additional Studio Requirements

100 Level Electives

Select three of the following courses, no class may be repeated: 9

ART 106	Basic Studio Painting ¹
ART 107	Basic Studio Photography ¹
ART 108	Basic Studio Printmaking ¹
ART 109	Basic Studio Metalsmithing ¹
ART 110	Basic Studio Sculpture ¹
ART 111	Basic Studio Fiber Art ¹
ART 112	Basic Studio Ceramics ¹
ART 113	Basic Studio Graphic Design ¹

200 Level Electives

Select four of the following courses, you may take any class twice: 12

ART 205	Intermediate Studio Drawing ¹
ART 206	Intermediate Studio Painting ¹
ART 207	Intermediate Studio Photography ¹
ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹

ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
400 Level Electives		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Art Electives		
Select from 300-400 level courses ¹		9
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Digital Media (DGME)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Digital Media Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
POLI 235	Civil Discourse and Democracy	3
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Humanities Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Digital Media Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Digital Media Concentration)	3
Social Science Inquiry (p. 19)		3

Thematic Thread Requirement (p. 19)	3
Hours	15
Fourth Year	
Fall	
ART 4XX Senior Studio	3
ART 4XX Senior Studio (Digital Media Concentration)	3
ART 30X or 40X ART Elective	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
ART 3XX Art History	3
ART 30X or 40X Art Elective	3
ART 4xX Senior Studio	3
ART 4xX Senior Project (Digital Media Concentration)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)
Concentration in Digital Media (DGME)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Drawing

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Drawing, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-concentration-in-drawing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

- 1 Course offered in multiple subjects; cannot take course in first major subject.
- 2 One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

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- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design 1	3
ART 101	3-D Design 1	3
ART 105	Basic Studio Drawing 1	3
ART 225	Overview of Western Art 1	3
ART 226	Overview of World Art 1	3
ART 300	Art Seminar 1	3
Art History Electives		
Select two of the following:		6
ART 325	North American Art History 1	
ART 335	The Renaissance Tradition 1	
ART 345	Foundations of Modern Art 1	
ART 355	Early Modern Art 1	
ART 365	Art Since 1945 1	
ART 420	Art History Seminar 1	
Drawing Concentration (15 Credits)		
Select 12 credits from the following:		
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable - see below for course details)		
ART 205	Intermediate Studio Drawing 1	
ART 305	Advanced Studio Drawing 1	
ART 405	Senior Studio Drawing 1	
Drawing 1st Concentration Required – Capstone Course		

ART 425	Senior Project Drawing 1	3
Additional Studio Requirements		
100 Level Electives		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting 1	
ART 107	Basic Studio Photography 1	
ART 108	Basic Studio Printmaking 1	
ART 109	Basic Studio Metalsmithing 1	
ART 110	Basic Studio Sculpture 1	
ART 111	Basic Studio Fiber Art 1	
ART 112	Basic Studio Ceramics 1	
ART 113	Basic Studio Graphic Design 1	
200 Level Electives		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing 1	
ART 206	Intermediate Studio Painting 1	
ART 207	Intermediate Studio Photography 1	
ART 208	Intermediate Studio Printmaking 1	
ART 209	Intermediate Studio Metalsmithing 1	
ART 210	Intermediate Studio Sculpture 1	
ART 211	Intermediate Studio Fiber Art 1	
ART 212	Intermediate Studio Ceramics 1	
ART 213	Intermediate Studio Graphic Design 1	
ART 214	Intermediate Studio Digital Media 1	
300 Level Electives		
Select four of the following courses, you may take any class up to three times:		12
ART 305	Advanced Studio Drawing 1	
ART 306	Advanced Studio Painting 1	
ART 307	Advanced Studio Photography 1	
ART 308	Advanced Studio Printmaking 1	
ART 309	Advanced Studio Metalsmithing 1	
ART 310	Advanced Studio Sculpture 1	
ART 311	Advanced Studio Fiber Art 1	
ART 312	Advanced Studio Ceramics 1	
ART 313	Advanced Studio Graphic Design 1	
ART 314	Advanced Studio Digital Media 1	
400 Level Electives		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing 1	
ART 406	Senior Studio Painting 1	
ART 407	Senior Studio Photography 1	
ART 408	Senior Studio Printmaking 1	
ART 409	Senior Studio Metalsmithing 1	
ART 410	Senior Studio Sculpture 1	
ART 411	Senior Studio Fiber Art 1	
ART 412	Senior Studio Ceramics 1	
ART 413	Senior Studio Graphic Design 1	
ART 414	Senior Studio Digital Media 1	
Art Electives		

Select from 300-400 level courses ¹	9
Total Hours	78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Drawing (DRAW)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Drawing Concentration)	3

ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15

Second Year

Fall

ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ¹		

Hours **15**

Spring

ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Drawing Concentration)	3
SCI 102	Understanding the Physical World	3

Hours **15**

Third Year

Fall

ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3

Hours **15**

Spring

ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Drawing Concentration)	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Fourth Year

Fall

ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Drawing Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Spring

ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4xX	Senior Studio	3
ART 4xX	Senior Project (Drawing Concentration)	3

Thematic Thread Requirement (p. 19)	3
Hours	15
Total Hours**	121

- ¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.
- ² Course offered in multiple subjects; cannot take course in first major subject.
- * Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)
Concentration in Drawing (DRAW)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Fiber Arts

Program Learning Outcomes

- Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Fiber Arts, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-fiber-art/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3

Art History Electives

Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	

Fiber Art Concentration (15 Credits)

Select 12 credits from the following:

Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable - see below for course details)		
ART 111	Basic Studio Fiber Art ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 411	Senior Studio Fiber Art ¹	

Fiber Art 1st Concentration Required – Capstone Course

ART 431	Senior Project Fiber Art	3

Additional Studio Requirements

100 Level Electives

Select three of the following courses, no class may be repeated: 9

ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	

200 Level Electives

Select four of the following courses, you may take any class twice: 12

ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	

ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	

Art Electives

Select from 300-400 level courses ¹ 9

Total Hours 78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development

7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Fiber Art (FIBA)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Fiber Arts Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Fiber Arts Concentration)	3

SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Fiber Arts Concentration)	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Fiber Arts Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4xX	Senior Studio	3
ART 4xX	Senior Project (Fiber Arts Concentration)	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

ART - BFA (5305)

Concentration in Fiber Art (FIBA)

Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Graphic Design

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture.

Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

Related Links

Art - Graphic Design, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-graphic-design/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Graphic Design Concentration (15 Credits)		
Select 12 credits from the following:		
These courses will count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).		
ART 113	Basic Studio Graphic Design ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 413	Senior Studio Graphic Design ¹	
<i>Graphic Design 1st Concentration Required – Capstone Course</i>		
ART 433	Senior Project Graphic Design	3
Additional Studio Requirements		
100 Level Electives		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
ART 114	Basic Studio Digital Media ¹	
200 Level Electives		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	

ART 207	Intermediate Studio Photography ¹
ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹
ART 312	Advanced Studio Ceramics ¹
ART 313	Advanced Studio Graphic Design ¹
ART 314	Advanced Studio Digital Media ¹

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹
ART 406	Senior Studio Painting ¹
ART 407	Senior Studio Photography ¹
ART 408	Senior Studio Printmaking ¹
ART 409	Senior Studio Metalsmithing ¹
ART 410	Senior Studio Sculpture ¹
ART 411	Senior Studio Fiber Art ¹
ART 412	Senior Studio Ceramics ¹
ART 413	Senior Studio Graphic Design ¹
ART 414	Senior Studio Digital Media ¹

Art Electives

Select from 300-400 level courses ¹ 9

Total Hours 78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)

6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Graphic Design (GDES)

This program is effective as of Spring 2024

Revised 09.22.2025

UCC 11.28.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Graphic Design Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3

ART 2XX	Intermediate Studio (Graphic Design Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15

Third Year

Fall

ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3

Hours 15

Spring

ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Graphic Design Concentration)	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours 15

Fourth Year

Fall

ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Graphic Design Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours 15

Spring

ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4xX	Senior Studio	3
ART 4xX	Senior Project (Graphic Design Concentration)	3
Thematic Thread Requirement (p. 19)		3

Hours 15

Total Hours 121**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

ART - BFA (5305)

Concentration in Graphic Design (GDES)

Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in K-12 Art Teacher Preparation

Students in the BFA Art program will have the option to elect this concentration and take most of the required coursework as undergraduates at SRU to prepare for certification through Carlow University. BFA Art graduates with this concentration will enroll at Carlow University for a semester of student teaching, and will obtain K-12 Art Teacher Certification through Carlow University.

This concentration can be completed within the current curricular structure of the BFA degree, and with the addition of six College of Education classes. Students are required to take one class (at any level) in most studio art disciplines. See adviser.

This concentration includes all coursework and requirements specified by the Pennsylvania Department of Education, with student teaching and K-12 Art Teacher certification obtained through Carlow University.

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work. (UO2)
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline. (UO2)
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement. (UO6)
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art. (UO6)
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands. (UO10)

Related Links

Art - K-12 Teacher Preparation, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-teacher-preparation/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher
Overall GPA: 3.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	78
	Concentration Requirements	9

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Subtotal		18
Electives		
<i>Art History Electives</i>		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
<i>100 Level Electives</i>		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
ART 114	Basic Studio Digital Media ¹	
<i>200 Level Electives</i>		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	
<i>300 Level Electives</i>		

Select four of the following courses, you may take any class up to three times:		12
ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
<i>400 Level Electives</i>		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
<i>SR Project</i>		
Select one of the following: ²		3
ART 425	Senior Project Drawing ¹	
ART 426	Senior Project Painting ¹	
ART 427	Senior Project Photography ¹	
ART 428	Senior Project Printmaking ¹	
ART 429	Senior Project Metalsmithing ¹	
ART 430	Senior Project Sculpture ¹	
ART 431	Senior Project Fiber Art ¹	
ART 432	Senior Project Ceramics ¹	
ART 433	Senior Project Graphic Design ¹	
ART 434	Senior Project Digital Media ¹	
<i>Art Electives</i>		
Select from 300-400 level courses ^{1,3}		9
Subtotal		60
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA.

² 400 level pre-req or permission of instructor.

³ The Art classes required for PA K-12 Art Teacher Certification can be used as Art Electives.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Concentration Requirements

Code	Title	Hours
Art Education Concentration		
The following four ART classes are required for Art Teacher Certification and also can be used as Art Elective in the BFA Art degree.		
ART 317	Elementary Art Methods and Materials ¹	3
AE 327	Secondary Art Methods & Mat (Carlow)	3
ART 440	Art Education Methods ^{1,2}	1
ART 451	Art Education Methods Internship ^{1,2}	2
Total Hours		9

¹ Course counts for 50% of Major requirements and Major GPA.
² Taken concurrently.
* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

PENNSYLVANIA DEPARTMENT OF EDUCATION (PDE) REQUIRED EDUCATION-RELATED COURSES & CANDIDACY FOR CERTIFICATION REVIEW

Code	Title	Hours
1. Pass the following Courses:		
SEFE 200	Introduction to Education, Teaching Methods and Field	
SPED 121	Overview of Special Education	
2. Candidacy for Certification Review:		
A. At 48 credits and prior to taking upper level education-related coursework, students must pass the Candidacy for Certification on Review and meet minimum PDE requirements. Consult with Adviser.		
B. Pass the following courses:		
CDEV 248	Human Development and Education	
ENGL 102	Critical Writing	
ENGL 104	Critical Reading	
SEFE 200	Introduction to Education, Teaching Methods and Field	
SPED 121	Overview of Special Education	
MATH	Two MATH Courses	
C. Complete Field Experiences:		
Stage 1 - Observations		
Stage 2 - Explorations		
D. Have a minimum GPA of 3.0		
E. Pass the PAPA Basic Skills Tests or equivalent.		
F. Obtain all PA Clearances:		
The Pennsylvania State Police Request for Criminal Records Check (Act 34)		
The Federal Criminal History Record (Act 114).		
The Child Abuse History Clearance (Act 151).		
Complete the Arrest/Conviction Report and Certification (Act 24).		
TB Test		
3. Successfully complete the following courses:		
SEFE 326	ELL Strategies and Practice	

or CIEL 326	Teaching Multi Language Learners
SEFE 342	Educational Psychology for Diverse Learners
SPED 350	Universal Intervention
SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners

4. Before SRU Graduation and student teaching placement (through Carlow University) pass PRAXIS II-Fundamental Subjects Content Knowledge. PRAXIS II-Art Content knowledge is required for K-12 Art Teach Certification through Carlow University.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

- 1. International study programs (short-term, semester)
- 2. High-Impact Practice (HIP) designated classes
- 3. Student-faculty creative projects
- 4. Student leadership development
- 5. Service opportunities (e.g., Empty Bowls program)
- 6. Career education and development
- 7. Internships
- 8. Student exhibitions
- 9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions
ART- BFA (5305)
Concentration in K-12 Art Teacher Preparation (ARTE)
This program is effective as of Summer 2025
Revised 06.04.2025
UCC 04.29.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ⁶	3
Hours		16

Spring			ART 317	Elementary Art Methods and Materials	3
ART 101	3-D Design	3	ART 451	Art Education Methods Internship	2
ART 1XX	Art Studio 100 Level	3	ART 440	Art Education Methods	1
ART 1XX	Art Studio 100 Level	3	SEFE 342	Educational Psychology for Diverse Learners	3
ENGL 104	Critical Reading	3	Thematic Thread Requirement (p. 19)		3
MATH 117	Quantitative Reasoning	3	Hours		18
SPED 121	Overview of Special Education ¹	3	Spring		
Hours		18	Art History - select one from the following:		
Second Year			ART 325	North American Art History	3
Fall			ART 335	The Renaissance Tradition	
ART 1XX	Art Studio 100 Level	3	ART 345	Foundations of Modern Art	
ART 2XX	Art Studio 200 Level	3	ART 355	Early Modern Art	
POLI 235	Civil Discourse and Democracy	3	ART 365	Art Since 1945	
SEFE 200	Introduction to Education, Teaching Methods and Field	3	ART 420	Art History Seminar	
Creative & Aesthetic Inquiry (p. 19)		3	Thematic Thread Requirement (p. 19)		3
Humanities Inquiry (p. 19)		3	ART 4XX	Art Studio 400 Level	3
Declare a Thematic Thread ⁵			Senior Project - select one from the following:		3
Hours		18	ART 425	Senior Project Drawing	
Spring			ART 426	Senior Project Painting	
ART 226	Overview of World Art	3	ART 427	Senior Project Photography	
ART 2XX	Art Studio 200 Level	3	ART 428	Senior Project Printmaking	
ART 2XX	Art Studio 200 Level	3	ART 429	Senior Project Metalsmithing	
ART 2XX	Art Studio 200 Level	3	ART 430	Senior Project Sculpture	
CDEV 248	Human Development and Education ²	3	ART 431	Senior Project Fiber Art	
SCI 102	Understanding the Physical World	3	ART 432	Senior Project Ceramics	
Hours		18	ART 433	Senior Project Graphic Design	
Third Year			ART 434	Senior Project Digital Media	
Fall			SPED 360	Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners ⁴	3
ART 3XX	Art History 300 Level	3	Hours		15
ART 3XX	Art Studio 300 Level	3	Total Hours**		
ART 3XX	Art Studio 300 Level	3			142
SCI 101	Science of Life	3	¹ Stage 1: 20 Hour Observation		
SEFE 326	ELL Strategies and Practice	3	² Stage 2: 20 hour Observation		
Thematic Thread Requirement (p. 19)		3	³ Praxis II: 0511 and 5511		
Hours		18	⁴ Praxis II: Art 0134		
Spring			⁵ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.		
ART 3XX	Art Studio 300 Level	3	⁶ Course offered in multiple subject areas; cannot take in first major subject area.		
ART 3XX	Art Studio 300 Level	3	* Students are encouraged to take ESAP 101 as a Free Elective.		
ART 300	Art Seminar	3	**This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.		
SPED 350	Universal Intervention ³	3	ART- BFA (5305)		
Social Science Inquiry (p. 19)		3	Concentration in K-12 Art Teacher Preparation (ARTE)		
Thematic Thread Requirement (ED: Second Math Requirement) (p. 19)		3	Revised 09.24.2025		
Hours		18			
Summer					
*Art Studio Elective (AE 327 Carlow Presession)		3			
Hours		3			
Fourth Year					
Fall					
ART 4XX	Art Studio 400 Level	3			
ART 4XX	Art Studio 400 Level	3			

Art, Bachelor of Fine Arts (BFA) - Concentration in Metalsmithing

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Metalsmithing, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-concentration-in-metalsmithing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3

Art History Electives

Select two of the following: 6

ART 325	North American Art History ¹
ART 335	The Renaissance Tradition ¹
ART 345	Foundations of Modern Art ¹
ART 355	Early Modern Art ¹
ART 365	Art Since 1945 ¹
ART 420	Art History Seminar ¹

Metalsmithing Concentration (15 Credits)

Select 12 credits from the following:

Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).	
ART 109	Basic Studio Metalsmithing ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 409	Senior Studio Metalsmithing ¹

Metalsmithing 1st Concentration Required – Capstone Course

ART 429	Senior Project Metalsmithing ¹	3

Additional Studio Requirements**100 Level Electives**

Select three of the following courses, no class may be repeated: 9

ART 106	Basic Studio Painting ¹
ART 107	Basic Studio Photography ¹
ART 108	Basic Studio Printmaking ¹
ART 109	Basic Studio Metalsmithing ¹
ART 110	Basic Studio Sculpture ¹
ART 111	Basic Studio Fiber Art ¹
ART 112	Basic Studio Ceramics ¹
ART 113	Basic Studio Graphic Design ¹

200 Level Electives

Select four of the following courses, you may take any class twice: 12

ART 205	Intermediate Studio Drawing ¹
ART 206	Intermediate Studio Painting ¹
ART 207	Intermediate Studio Photography ¹
ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹

ART 312	Advanced Studio Ceramics ¹

ART 313	Advanced Studio Graphic Design ¹

ART 314	Advanced Studio Digital Media ¹

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹
ART 406	Senior Studio Painting ¹
ART 407	Senior Studio Photography ¹
ART 408	Senior Studio Printmaking ¹
ART 409	Senior Studio Metalsmithing ¹
ART 410	Senior Studio Sculpture ¹
ART 411	Senior Studio Fiber Art ¹
ART 412	Senior Studio Ceramics ¹
ART 413	Senior Studio Graphic Design ¹
ART 414	Senior Studio Digital Media ¹

Art ElectivesSelect from 300-400 level courses ¹ 9**Total Hours** 78¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Metalsmithing (METL)

This program is effective as of Fall 2020.

Revised 09.22.2025
UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1XX	Basic Studio	3
ART 1X X	Basic Studio (Metalsmithing Concentration)	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Metalsmithing Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Metalsmithing Concentration)	3
Social Science Inquiry (p. 19)		3

Thematic Thread Requirement (p. 19)		3
Hours		15
Fourth Year		
Fall		
ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Metalsmithing Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ART 30X	Art History	3
ART 30X or 40X Art Elective		3
ART 4xX	Senior Studio	3
ART 4xX	Senior Project (Metalsmithing Concentration)	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)
Concentration in Metalsmithing (METL)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Painting

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Painting, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-painting/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Painting Concentration (15 Credits)		
Select 12 credits from the following:		
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).		
ART 106	Basic Studio Painting ¹	
ART 206	Intermediate Studio Painting ¹	
ART 306	Advanced Studio Painting ¹	
ART 406	Senior Studio Painting ¹	

Painting 1st Concentration Required – Capstone Course

ART 426	Senior Project Painting ¹	3

Additional Studio Requirements*100 Level Electives*

Select three of the following courses, no class may be repeated: 9

ART 106	Basic Studio Painting ¹
ART 107	Basic Studio Photography ¹
ART 108	Basic Studio Printmaking ¹
ART 109	Basic Studio Metalsmithing ¹
ART 110	Basic Studio Sculpture ¹
ART 111	Basic Studio Fiber Art ¹
ART 112	Basic Studio Ceramics ¹
ART 113	Basic Studio Graphic Design ¹

200 Level Electives

Select four of the following courses, you may take any class twice: 12

ART 205	Intermediate Studio Drawing ¹
ART 206	Intermediate Studio Painting ¹
ART 207	Intermediate Studio Photography ¹
ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹
ART 312	Advanced Studio Ceramics ¹
ART 313	Advanced Studio Graphic Design ¹
ART 314	Advanced Studio Digital Media ¹

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹
ART 406	Senior Studio Painting ¹
ART 407	Senior Studio Photography ¹
ART 408	Senior Studio Printmaking ¹
ART 409	Senior Studio Metalsmithing ¹
ART 410	Senior Studio Sculpture ¹
ART 411	Senior Studio Fiber Art ¹
ART 412	Senior Studio Ceramics ¹
ART 413	Senior Studio Graphic Design ¹
ART 414	Senior Studio Digital Media ¹

Art Electives

Select from 300-400 level courses ¹ 9

Total Hours 78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Painting (PNTG)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ART 225	Overview of Western Art	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Painting Concentration)	3

ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15

Second Year**Fall**

Humanities Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15

Spring

ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Painting Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15

Third Year**Fall**

ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15

Spring

ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Painting Concentration)	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Fourth Year**Fall**

ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Painting Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Spring

ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4XX	Senior Studio	3
ART 4XX	Senior Project (Painting Concentration)	3

Thematic Thread Requirement (p. 19)	3
Hours	15
Total Hours**	121

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

² Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

ART - BFA (5305)
Concentration in Painting (PNTG)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Photography

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Photography, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-photography/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Photography Concentration (15 Credits)		
Select 12 credits from the following:		
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).		
ART 107	Basic Studio Photography ¹	
ART 207	Intermediate Studio Photography ¹	
ART 307	Advanced Studio Photography ¹	
ART 407	Senior Studio Photography ¹	
<i>Photography 1st Concentration Required – Capstone Course</i>		
ART 427	Senior Project Photography ¹	3
Additional Studio Requirements		
100 Level Electives		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
200 Level Electives		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	

ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times: 12

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹
ART 312	Advanced Studio Ceramics ¹
ART 313	Advanced Studio Graphic Design ¹
ART 314	Advanced Studio Digital Media ¹

400 Level Electives

Select three of the following courses, you may take any class up to two times: 9

ART 405	Senior Studio Drawing ¹
ART 406	Senior Studio Painting ¹
ART 407	Senior Studio Photography ¹
ART 408	Senior Studio Printmaking ¹
ART 409	Senior Studio Metalsmithing ¹
ART 410	Senior Studio Sculpture ¹
ART 411	Senior Studio Fiber Art ¹
ART 412	Senior Studio Ceramics ¹
ART 413	Senior Studio Graphic Design ¹
ART 414	Senior Studio Digital Media ¹

Art Electives

Select from 300-400 level courses ¹ 9

Total Hours 78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development

7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Photography (PHOT)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Photography Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Photography Concentration)	3

SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Photography Concentration)	3
Thematic Thread Requirement (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15
Fourth Year		
Fall		
ART 4XX	Senior Studio	3
ART 4XX	Senior Studio (Photography Concentration)	3
ART 30X or 40X ART Elective		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
ART 3XX	Art History	3
ART 30X or 40X Art Elective		3
ART 4XX	Senior Studio	3
ART 4XX	Senior Project (Photography Concentration)	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Art, Bachelor of Fine Arts (BFA) - Concentration in Printmaking

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

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Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Science Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3

Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Printmaking Concentration (15 Credits)		
Select 12 credits from the following:		
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).		
ART 108	Basic Studio Printmaking ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 408	Senior Studio Printmaking ¹	

Printmaking 1st Concentration Required – Capstone Course

ART 428	Senior Project Printmaking	3

Additional Studio Requirements

<i>100 Level Electives</i>		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	
ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	

<i>200 Level Electives</i>		
Select four of the following courses, you may take any class twice:		12

ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	

<i>300 Level Electives</i>		
Select four of the following courses, you may take any class up to three times:		12

ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	

ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
400 Level Electives		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Art Electives		
Select from 300-400 level courses ¹		9
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development
7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Printmaking (PRNT)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Printmaking Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Printmaking Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Printmaking Concentration)	3
Thematic Thread Requirement (p. 19)		3

Social Science Inquiry (p. 19)	3
Hours	15
Fourth Year	
Fall	
ART 4XX Senior Studio	3
ART 4XX Senior Studio (Printmaking Concentration)	3
ART 30X or 40X ART Elective	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
ART 3XX Art History	3
ART 30X or 40X Art Elective	3
ART 4XX Senior Studio	3
ART 4XX Senior Project (Printmaking Concentration)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)
Concentration in Printmaking (PRNT)
Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Psychology

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Psychology, BFA Program Page ([https://www.sru.edu/academics/majors-and-minors/art-bfa-psychology-\(pre-art-therapy/\)](https://www.sru.edu/academics/majors-and-minors/art-bfa-psychology-(pre-art-therapy/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

The Art BFA with a Concentration in Psychology gives Bachelor of Fine Arts majors the option to declare a concentration in Psychology. The program will serve as a preparation for Art Therapy Graduate programs.

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher
2.00 or higher in Psychology

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	78
	Concentration Requirements	15

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3
Subtotal		18
Art History Electives		
Select two of the following:		6
ART 325	North American Art History ¹	
ART 335	The Renaissance Tradition ¹	
ART 345	Foundations of Modern Art ¹	
ART 355	Early Modern Art ¹	
ART 365	Art Since 1945 ¹	
ART 420	Art History Seminar ¹	
Subtotal		6
100 Level Electives		
Select three of the following courses, no class may be repeated:		9
ART 106	Basic Studio Painting ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ART 109	Basic Studio Metalsmithing ¹	
ART 110	Basic Studio Sculpture ¹	

ART 111	Basic Studio Fiber Art ¹	
ART 112	Basic Studio Ceramics ¹	
ART 113	Basic Studio Graphic Design ¹	
ART 114	Basic Studio Digital Media ¹	
Subtotal		9
200 Level Electives		
Select four of the following courses, you may take any class twice:		12
ART 205	Intermediate Studio Drawing ¹	
ART 206	Intermediate Studio Painting ¹	
ART 207	Intermediate Studio Photography ¹	
ART 208	Intermediate Studio Printmaking ¹	
ART 209	Intermediate Studio Metalsmithing ¹	
ART 210	Intermediate Studio Sculpture ¹	
ART 211	Intermediate Studio Fiber Art ¹	
ART 212	Intermediate Studio Ceramics ¹	
ART 213	Intermediate Studio Graphic Design ¹	
ART 214	Intermediate Studio Digital Media ¹	
Subtotal		12
300 Level Electives		
Select four of the following courses, you may take any class up to three times:		12
ART 305	Advanced Studio Drawing ¹	
ART 306	Advanced Studio Painting ¹	
ART 307	Advanced Studio Photography ¹	
ART 308	Advanced Studio Printmaking ¹	
ART 309	Advanced Studio Metalsmithing ¹	
ART 310	Advanced Studio Sculpture ¹	
ART 311	Advanced Studio Fiber Art ¹	
ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
Subtotal		12
400 Level Electives		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Subtotal		9
SR Project		
Select one of the following:		3
ART 425	Senior Project Drawing ^{1,2}	
ART 426	Senior Project Painting ^{1,2}	
ART 427	Senior Project Photography ^{1,2}	
ART 428	Senior Project Printmaking ^{1,2}	

ART 429	Senior Project Metalsmithing ^{1,2}	
ART 430	Senior Project Sculpture ^{1,2}	
ART 431	Senior Project Fiber Art ^{1,2}	
ART 432	Senior Project Ceramics ^{1,2}	
ART 433	Senior Project Graphic Design ^{1,2}	
ART 434	Senior Project Digital Media ^{1,2}	
Subtotal		3
Art Electives		
Select from 300-400 level courses ¹		9
Subtotal		9
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA.

² 400 level pre-req or permission of instructor.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Concentration Requirements

Code	Title	Hours
Psychology Concentration		
PSYC 105	Introduction to Psychology ^{1,2}	3
PSYC 244	Developmental Psychology ^{1,2}	3
PSYC 276	Introduction to Abnormal Psychology ^{1,2}	3
PSYC 208	Personality ^{1,2}	3
Select one of the following:		3
PSYC 205	Environmental Psychology ^{1,2}	
PSYC 233	Sensation & Perception ^{1,2}	
PSYC 240	Human Sexual Behavior ^{1,2}	
PSYC 300	Psychology of Women, Gender and Culture ^{1,2}	
PSYC 315	Psychology of Sexual and Gender Diversity ^{1,2}	
PSYC 377	Social Psychology ^{1,2}	
Subtotal		15
Total Hours		15

¹ Course counts for 50% of Major requirements and Major GPA.

² Grade C or higher required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
6. Career education and development

7. Internships
8. Student exhibitions
9. Field Experiences

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Psychology (PSYC)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ³	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1XX	Basic Studio	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
PSYC 105	Introduction to Psychology (Social Science Inquiry)	3
Hours		18
Second Year		
Fall		
ART 225	Overview of Western Art	3
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
Concentration Course ¹		3
POLI 235	Civil Discourse and Democracy	3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3

ART 2XX	Intermediate Studio	3
SCI 101	Science of Life	3
Concentration Course ¹		3
Hours		18

Third Year**Fall**

ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 3XX or 4XX	ART Elective	3
SCI 102	Understanding the Physical World	3
Concentration Course ¹		3
Thematic Thread Requirement (p. 19)		3

Hours **18**

Spring

ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 3XX	Art History	3
Concentration Course ¹		3
Humanities Inquiry (p. 19)		3

Hours **18**

Fourth Year**Fall**

ART 4XX	Senior Studio	3
ART 4XX	Senior Studio	3
ART 3XX or 4XX	ART Elective	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Spring

ART 3XX	Art History	3
ART 30X or 40X	Art Elective	3
ART 4XX	Senior Studio	3
ART 4XX	Senior Project	3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Total Hours** **133**

¹ Concentration Courses (select 4 from the following):
PSYC 205, PSYC 208, PSYC 233, PSYC 240, PSYC 244, PSYC 276,
PSYC 315, PSYC 377

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

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ART - BFA (5305)
Concentration in Psychology (PSYC)

Revised: 09.24.2025

Art, Bachelor of Fine Arts (BFA) - Concentration in Sculpture

Program Learning Outcomes

- **Critical Thinking:** Art majors will locate, analyze and synthesize art historical information and context within their own work.
- **Degree Program Writing Competency:** Students will be able to effectively communicate in writing for purposes of the discipline.
- **Direction:** Art majors develop a personal direction through their choice of medium, idea and/or style. Students will demonstrate intellectual and artistic curiosity while committing to improvement.
- **Professional Proficiency:** Art majors will perceive, discuss and demonstrate professional proficiency upon graduation by applying their knowledge and skills of fine art.
- **Technique:** Art majors will demonstrate technical aptitude. The department assesses the technical quality of student production. Each medium varies with its technical demands.

Related Links

Art - Sculpture, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/art-bfa-concentration-in-sculpture/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Humanities Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Social Science Inquiry</i>	
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Science Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Science Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
ART 100	2-D Design ¹	3
ART 101	3-D Design ¹	3
ART 105	Basic Studio Drawing ¹	3
ART 225	Overview of Western Art ¹	3
ART 226	Overview of World Art ¹	3
ART 300	Art Seminar ¹	3

Art History Electives	
Select two of the following:	
ART 325	North American Art History ¹
ART 335	The Renaissance Tradition ¹
ART 345	Foundations of Modern Art ¹
ART 355	Early Modern Art ¹
ART 365	Art Since 1945 ¹
ART 420	Art History Seminar ¹
Sculpture Concentration (15 Credits)	
Select 12 credits from the following:	
Concentration courses count towards BFA Studio requirements. (200-400 level courses are repeatable – see below for course details).	
ART 110	Basic Studio Sculpture ¹
ART 210	Intermediate Studio Sculpture ¹
ART 310	Advanced Studio Sculpture ¹
ART 410	Senior Studio Sculpture ¹

Sculpture 1st Concentration Required – Capstone Course

ART 430	Senior Project Sculpture ¹	3

Additional Studio Requirements

100 Level Electives

Select three of the following courses, no class may be repeated:

ART 106	Basic Studio Painting ¹
ART 107	Basic Studio Photography ¹
ART 108	Basic Studio Printmaking ¹
ART 109	Basic Studio Metalsmithing ¹
ART 110	Basic Studio Sculpture ¹
ART 111	Basic Studio Fiber Art ¹
ART 112	Basic Studio Ceramics ¹
ART 113	Basic Studio Graphic Design ¹

200 Level Electives

Select four of the following courses, you may take any class twice:

ART 205	Intermediate Studio Drawing ¹
ART 206	Intermediate Studio Painting ¹
ART 207	Intermediate Studio Photography ¹
ART 208	Intermediate Studio Printmaking ¹
ART 209	Intermediate Studio Metalsmithing ¹
ART 210	Intermediate Studio Sculpture ¹
ART 211	Intermediate Studio Fiber Art ¹
ART 212	Intermediate Studio Ceramics ¹
ART 213	Intermediate Studio Graphic Design ¹
ART 214	Intermediate Studio Digital Media ¹

300 Level Electives

Select four of the following courses, you may take any class up to three times:

ART 305	Advanced Studio Drawing ¹
ART 306	Advanced Studio Painting ¹
ART 307	Advanced Studio Photography ¹
ART 308	Advanced Studio Printmaking ¹
ART 309	Advanced Studio Metalsmithing ¹
ART 310	Advanced Studio Sculpture ¹
ART 311	Advanced Studio Fiber Art ¹

ART 312	Advanced Studio Ceramics ¹	
ART 313	Advanced Studio Graphic Design ¹	
ART 314	Advanced Studio Digital Media ¹	
400 Level Electives		
Select three of the following courses, you may take any class up to two times:		9
ART 405	Senior Studio Drawing ¹	
ART 406	Senior Studio Painting ¹	
ART 407	Senior Studio Photography ¹	
ART 408	Senior Studio Printmaking ¹	
ART 409	Senior Studio Metalsmithing ¹	
ART 410	Senior Studio Sculpture ¹	
ART 411	Senior Studio Fiber Art ¹	
ART 412	Senior Studio Ceramics ¹	
ART 413	Senior Studio Graphic Design ¹	
ART 414	Senior Studio Digital Media ¹	
Art Electives		
Select from 300-400 level courses ¹		9
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
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4. Student leadership development
5. Service opportunities (e.g., Empty Bowls program)
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PASSHE - Pennsylvania State System of Higher Education Institutions

ART - BFA (5305)

Concentration in Sculpture (SCLP)

This program is effective as of Fall 2020.

Revised 09.22.2025

UCC 12.3.2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
ART 225	Overview of Western Art	3
ART 100	2-D Design	3
ART 105	Basic Studio Drawing	3
ESAP 101	FYRST Seminar *	1
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
ART 101	3-D Design	3
ART 1X X	Basic Studio (Sculpture Concentration)	3
ART 1XX	Basic Studio	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Hours		15
Second Year		
Fall		
ART 1XX	Basic Studio	3
ART 2XX	Intermediate Studio	3
POLI 235	Civil Discourse and Democracy	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
ART 226	Overview of World Art	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio	3
ART 2XX	Intermediate Studio (Sculpture Concentration)	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
ART 30X	Art History	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio	3
ART 30X or 40X ART Elective		3
SCI 101	Science of Life	3
Hours		15
Spring		
ART 300	Art Seminar	3
ART 3XX	Advanced Studio	3
ART 3XX	Advanced Studio (Sculpture Concentration)	3
Thematic Thread Requirement (p. 19)		3

Social Science Inquiry (p. 19)	3
Hours	15
Fourth Year	
Fall	
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
ART 4XX Senior Studio	3
ART 4XX Senior Studio (Sculpture Concentration)	3
ART 30X or 40X ART Elective	3
Hours	15
Spring	
ART 3XX Art History	3
ART 30X or 40X Art Elective	3
ART 4XX Senior Studio	3
ART 4XX Senior Project (Sculpture Concentration)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

ART - BFA (5305)

Concentration in Sculpture (SCLP)

Revised: 09.24.2025

Art, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Basic 2D Studio Course		
Select one of the following:		3

ART 105	Basic Studio Drawing	
ART 106	Basic Studio Painting	
ART 107	Basic Studio Photography	
ART 108	Basic Studio Printmaking	
ART 113	Basic Studio Graphic Design	
ART 114	Basic Studio Digital Media	
Basic 3D Studio Course		
Select one of the following:		3
ART 109	Basic Studio Metalsmithing	
ART 110	Basic Studio Sculpture	
ART 111	Basic Studio Fiber Art	
ART 112	Basic Studio Ceramics	
Art History Course		
Select one of the following:		3
ART 225	Overview of Western Art	
ART 226	Overview of World Art	
ART 325	North American Art History	
ART 335	The Renaissance Tradition	
ART 345	Foundations of Modern Art	
ART 355	Early Modern Art	
ART 365	Art Since 1945	
ART 420	Art History Seminar	
Art Synthesis Courses		
Select two of the following:		6
ART 205	Intermediate Studio Drawing	
ART 206	Intermediate Studio Painting	
ART 207	Intermediate Studio Photography	
ART 208	Intermediate Studio Printmaking	
ART 209	Intermediate Studio Metalsmithing	
ART 210	Intermediate Studio Sculpture	
ART 211	Intermediate Studio Fiber Art	
ART 212	Intermediate Studio Ceramics	
ART 213	Intermediate Studio Graphic Design	
ART 214	Intermediate Studio Digital Media	
Advanced Studio Courses		
Select two of the following:		6
ART 305	Advanced Studio Drawing	
ART 306	Advanced Studio Painting	
ART 307	Advanced Studio Photography	
ART 308	Advanced Studio Printmaking	
ART 309	Advanced Studio Metalsmithing	
ART 310	Advanced Studio Sculpture	
ART 311	Advanced Studio Fiber Art	
ART 312	Advanced Studio Ceramics	
ART 313	Advanced Studio Graphic Design	
ART 314	Advanced Studio Digital Media	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ART (04A) /CIM 62
This program is effective as of Summer 2025
Revision date: 06.04.2025
UCC Date: 04.29.2025

Art: Ceramics, Certificate
PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self- analyze, and develop their own self- confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09):

Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Ceramics, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 112	Basic Studio Ceramics	3
ART 212	Intermediate Studio Ceramics (repeatable one time)	3
ART 312	Advanced Studio Ceramics (repeatable one time)	3
ART 412	Senior Studio Ceramics (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Ceramics - CERT (5CER)
This program is effective Summer 2024
Revised 03.26.2024
UCC 11.28.2023

Art: Digital Media, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

Students obtaining a Certificate in Art: Digital Media will have the opportunity to explore a wide range of digitally based or enhanced methods of artistic production. Through the prescribed sequence of courses, students will study historical and contemporary approaches to Digital Art, as well as develop skills and understandings applicable to two-dimensional, three-dimensional, time-based and potentially other forms of Digital Art. Students will compile a focused Digital Art portfolio as they develop a personal artistic stance and enact their individual artistic visions.

PROGRAM LEARNING OUTCOMES

PO#1. Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

PO#2. Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

PO# 3. Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

PO#4. Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

Related Links

Art - Digital Media, Certificate Program Page (<https://www.sru.edu/academics/certificates/art-digital-media-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
Select twelve credits of the following:		12
ART 114	Basic Studio Digital Media	
ART 214	Intermediate Studio Digital Media (repeatable one time)	
ART 314	Advanced Studio Digital Media (repeatable one time)	
ART 414	Senior Studio Digital Media (repeatable two times)	
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN ART: DIGITAL MEDIA (5DGM)

This program is effective as of Spring 2024

Revised: 12.19.2023

UCC: 11.28.2023

Art: Drawing, Certificate PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09):

Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Drawing, Certificate Program Page

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 105	Basic Studio Drawing	3
ART 205	Intermediate Studio Drawing (repeatable one time)	3
ART 305	Advanced Studio Drawing (repeatable one time)	3
ART 405	Senior Studio Drawing (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Drawing - CERT (5DRA)
This program is effective Summer 2024
Revised 03.26.2024
UCC 11.28.2023

Art: Fiber Art, Certificate
PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self- analyze,

and develop their own self- confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Fiber Art, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 111	Basic Studio Fiber Art	3
ART 211	Intermediate Studio Fiber Art (repeatable one time)	3
ART 311	Advanced Studio Fiber Art (repeatable one time)	3
ART 411	Senior Studio Fiber Art (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Fiber Art - CERT (5FIB)

This program is effective Summer 2024

Revised 03.26.2024

UCC 11.28.2023

Art: Graphic Design, Certificate

The ability to compose technical and non-technical information into an attractive and visually clear and concise form will help in the design and presentation of a wide range of conceptual and/or subject-specific projects. Candidates will gain an understanding of design-related concepts and experience with graphic design software in the communication of ideas. The skills developed in this program, and in the inclusion of projects produced in the program in an application portfolio, will improve a candidate's qualifications and job prospects.

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture.

Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Art - Graphic Design, Certificate Program Page (<https://www.sru.edu/academics/certificates/art-graphic-design-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.00 or higher

Certificate Requirements

Code	Title	Hours
<i>Select twelve credits of the following:</i>		
ART 113	Basic Studio Graphic Design	3
ART 213	Intermediate Studio Graphic Design (repeatable one time)	3
ART 313	Advanced Studio Graphic Design (repeatable one time)	3
ART 413	Senior Studio Graphic Design (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN ART: GRAPHIC DESIGN (5GDS)

This program is effective as of Summer 2024.

Revised: 03.26.2024

UCC 11.28.2023

Art: Metalsmithing, Certificate

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Metalsmithing, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 109	Basic Studio Metalsmithing	3
ART 209	Intermediate Studio Metalsmithing (repeatable one time)	3
ART 309	Advanced Studio Metalsmithing (repeatable one time)	3
ART 409	Senior Studio Metalsmithing (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Metalsmith - CERT (5MET)
This program is effective Summer 2024
Revised 03.26.2024

UCC 11.28.2023

Art: Painting, Certificate
PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self- analyze, and develop their own self- confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09):

Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Painting, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 106	Basic Studio Painting	3
ART 206	Intermediate Studio Painting (repeatable one time)	3
ART 306	Advanced Studio Painting (repeatable one time)	3

ART 406	Senior Studio Painting (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Painting Certificate (5PAI)

This program is effective as of Summer 2024

Revised 03.26.2024

UCC 11.28.2023

Art: Photography, Certificate

Students obtaining a Certificate in Art: Photography will have the opportunity to explore a wide range of analog and digital approaches to fine art photography. Photographic skills, techniques and concepts will be expanded, honed and potentially utilized with other media as students follow individual artistic directions. Students will develop and maintain a cohesive photographic portfolio suitable for public presentation.

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture. Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Art - Photography, Certificate Program Page (<https://www.sru.edu/academics/certificates/art-photography-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		12
ART 107	Basic Studio Photography	
ART 207	Intermediate Studio Photography (repeatable one time)	
ART 307	Advanced Studio Photography (repeatable one time)	
ART 407	Senior Studio Photography (repeatable two times)	
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Photography - CERT (5PHT)

This program is effective Summer 2024

Revised 03.26.2024

UCC 11.28.2023

Art: Printmaking, Certificate

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture.

Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Printmaking, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 108	Basic Studio Printmaking	3
ART 208	Intermediate Studio Printmaking (repeatable one time)	3
ART 308	Advanced Studio Printmaking (repeatable one time)	3
ART 408	Senior Studio Printmaking (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Printmaking - CERT (5PRI)

This program is effective Summer 2024

Revised 03.26.2024

UCC 11.28.2023

Art: Sculpture, Certificate

PROGRAM LEARNING OUTCOMES

Communication (U01, U08):

Students will learn to communicate openly and ethically with diverse audiences about their individual creative work through, written, visual, and spoken formats.

Creation, Fabrication, Exhibition, & Critique (U02, U05, U06, U08, U09):

Students will gain a working knowledge of the elements and principles of design and their use in the production of Fine Art. They will demonstrate this understanding through the fabrication and exhibition of art objects. Through collaborative critique, students will be exposed to a diverse set of perspectives, cultures, and values. Exposure to multiple perspectives will allow students to resist premature closure and instead remain perceptually open, flexible and willing to adapt, self-analyze, and develop their own self-confidence through the process of problem-solving and revision.

Professional Proficiency (U05, U08, U09):

Students will develop an authentic artistic direction: via medium, idea and/or style of creation. Students will display a technical expertise commensurate with their ideological level. Students will produce a quantity of work representative of time spent in the studio and successful understanding of studio techniques. Students will learn to apply the traits & abilities of an artist through their individual professional practice. The students learned skills will prepare them to participate in the professional arts communities at local, regional, national, and international levels.

Historical Knowledge (U02, U05, U09): Students will apply knowledge of art history to understand, evaluate and engage in art and art-making, recognizing their placement within a larger context or history and culture.

Students will observe, connect, and contextualize knowledge acquired in Art History to inform their professional practice and research.

RELATED LINKS

Art - Sculpture, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/art/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Select twelve credits of the following:		
ART 110	Basic Studio Sculpture	3
ART 210	Intermediate Studio Sculpture (repeatable one time)	3
ART 310	Advanced Studio Sculpture (repeatable one time)	3
ART 410	Senior Studio Sculpture (repeatable two times)	3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Art: Sculpture - CERT (5SCU)

This program is effective Summer 2024

Revised 03.26.2024

UCC 11.28.2023

Nonprofit Management in Art, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ART 113	Basic Studio Graphic Design	3
ART 450	Internship	3
ENGL 429	Grant and Proposal Writing	3
NLPA 101	Introduction to Nonprofit Management	3
NLPA 305	Financial Best Practices for Decision Makers	3
NLPA 320	Community Change and Development	3
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN NONPROFIT MANAGEMENT IN ART (04E)

Effective Summer 2020

Revised 07.08.2025

UCC 12.03.2019

Criminology and Criminal Justice

Programs

Majors

- Criminology and Criminal Justice, Bachelor of Arts (BA) (p. 636)
- Criminology and Criminal Justice, Bachelor of Arts (BA) - Concentration in Community Corrections (p. 639)

Minors

- Criminology, Minor (p. 642)
- Forensics and Criminal Justice, Minor (p. 643)

Certificates

- Criminal Justice and Spanish Cultural & Language Competency, Certificate (p. 635)

Criminal Justice and Spanish Cultural & Language Competency, Certificate

The Certificate in Criminal Justice and Spanish Cultural & Language Competency prepares students to speak conversational Spanish and gain competency in Spanish cultures and literature. This certificate represents a valuable credential for those seeking to enter a criminal

justice profession that often demands practical skills in understanding and working with diverse cultures.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Criminal Justice and Spanish Cultural and Language Competency, Certificate Program Page (<https://www.sru.edu/academics/certificates/criminal-justice-and-spanish-cultural-and-language-competency-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
Select fifteen credits of the following:		15
SPAN 103 or SPAN 104	Spanish Language & Culture III ¹ Situational Spanish	
SPAN 200	Writing in Spanish for the Professions I ¹	
SPAN 201	Speaking in Spanish for the Professions I ¹	
SPAN 215	Topics in Hispanic Culture	
SPAN 220	Understanding Hispanic Cultures Through Reading ¹	
CRIM 343 & CRIM 360	Criminal Investigations and Police and Society	
CRIM 380 & CRIM 404	Women & the Criminal Justice System and Applied Criminal Procedures	
Total Hours		15

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE CRIMINAL JUSTICE AND SPANISH CULTURAL AND LANGUAGE COMPETENCY (5CJS)

This program is effective as of Fall 2020.

Revision date: 07.08.2020

UCC 03.05.2020

Criminology and Criminal Justice, Bachelor of Arts (BA)

Program Learning Outcomes

- PO #1 Demonstrate professional proficiency in the academic study of crime, justice, and criminology. (UO #3, #4, #5, #7)
 - Develop competence in the history, theory and practice of the administration of criminal justice and its established content areas of law enforcement, courts and corrections.
 - Demonstrate understanding and application of criminological theories of crime causation, offenders, victims, and typologies.
 - Explain and understand the basic principles of research and the use and interpretation of statistics as they apply to criminological theory, existing crime data, and Criminal Justice policy evaluations.
 - Community corrections specialization students will be able to demonstrate knowledge of the history, philosophy, policy and practice of balanced and restorative justice, alternative sentencing, diversionary adjudication, human services and the principles of offender treatment in a community setting.
- PO #2 Achieve acceptable levels of critical thinking, synthesis and analysis of informational sources about the study of crime and justice. (UO #2, #3)
 - Critically evaluate criminological literature and scholarship.
 - Apply critical analysis to current controversies and topics in criminal justice.
 - Synthesize disparate informational sources about criminal justice issues, policies or theories into synergistic and cogent understandings.
 - Recognize and understand the various perspectives of controversial issues in crime and justice.
- PO #3 Understand and explain the importance of the study of and application of ethics, morals and values in Criminal Justice. (UO #8)
 - Formulate applications of the general field of ethical study to specific, criminal justice-related topics.
 - Employ ethical reflection and judgment to quickly emerging situations commonly found in the practice of law enforcement, correctional and court workgroup duties.
 - Develop familiarity with professional codes of ethics employed in the field.
- PO #4 Learn and appreciate the role of human diversity in Criminal Justice. (UO #9)
 - Demonstrate how diversity in human experience and culture applies to the professional practice of criminal justice in law enforcement, court processes, and corrections.
 - Recognize the historical and contemporary roles of racial, ethnic, religious, gender/sex identity, LGBTQ+, and lifestyle intolerance in human violence and aggression.
 - Examine and increase awareness of diversity challenges such as racial profiling, violence against women, and hate crime legislation and enforcement.

Related Links

Criminology and Criminal Justice, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/criminology-and-criminal-justice/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Community Correction Concentration GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirements	0-9
	Other Basic Requirements	0-3
	Major Requirements	40
	Electives	38

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Humanities Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Social Science Inquiry

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3

Natural Science Inquiry

SCI 101	Science of Life	3

Physical Science Inquiry

SCI 102	Understanding the Physical World	3

Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Subtotal	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Courses		
CRIM 110	Introduction to Criminology & Criminal Justice Systems ¹	3
CRIM 115	Proseminar ¹	1
CRIM 123	Crime Prevention ¹	3
CRIM 253	American Policing ¹	3
CRIM 263	Introduction to Criminal Procedure ¹	3
CRIM 273	American Corrections ¹	3
CRIM 301	Theoretical Criminology ¹	3
CRIM 317	Statistical Methods in Criminology and Criminal Justice ¹	3
CRIM 318	Research Methods in Criminology and Criminal Justice ¹	3

CRIM 345	Juvenile Delinquency ¹	3
CRIM 408	Capstone: Ethics and Criminal Justice ¹	3
Subtotal		31
Major Electives		
Select nine credits from the following:		9
CRIM 190	Experimental ¹	
CRIM 198	Selected Topics ¹	
CRIM 290	Experimental ¹	
CRIM 298	Selected Topics ¹	
CRIM 302	Sexual Violence ¹	
CRIM 321	Criminal Justice interventions ¹ ¹	
CRIM 322	Criminal Justice Interventions ² ¹	
CRIM 326	Victimology ¹	
CRIM 327	Criminal Justice and the Multicultural Community ¹	
CRIM 328	Transnational Crime & Justice ¹	
CRIM 343	Criminal Investigations ¹	
CRIM 360	Police and Society ¹	
CRIM 368	Comparative Criminal Justice Abroad ¹	
CRIM 370	Inside Out Views of Criminal Justice Issues ¹	
CRIM 380	Women & the Criminal Justice System ¹	
CRIM 390	Experimental ¹	
CRIM 398	Selected Topics ¹	
CRIM 402	Forensic Behavior: Crime and the Individual ¹	
CRIM 404	Applied Criminal Procedures ¹	
CRIM 405	White Collar Crime ¹	
CRIM 414	Criminal Justice Policy ¹	
CRIM 416	Community Corrections ¹	
CRIM 422	The Death Penalty ¹	
CRIM 450	Internship ¹	
CRIM 468	Crime & Media ¹	
CRIM 498	Selected Topics ¹	
SOWK 334	Clinical Perspectives on DSM Diagnoses ¹	
Subtotal		9
Total Hours		40

¹ Course counts for 50% of Major requirements and Major GPA.

² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year long).
2. High-Impact Practice (HIP) designated classes (CRIM 343 and CRIM 370)

3. Student-faculty research
4. Student leadership opportunities – CRIM Club, Alpha Sigma Honors Society
5. Service-learning classes
6. Internships
7. Volunteering opportunities

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CRIMINOLOGY & CRIMINAL JUSTICE - BA (5 70)

w/optional Community Corrections Concentration (507C)

This program is effective as of Summer 2024

Revised 09.22.2025

UCC 11.28.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
Learning Community Cluster		
CRIM 110	Introduction to Criminology & Criminal Justice Systems	3
CRIM 123	Crime Prevention	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
CRIM 115	Proseminar	1
CRIM 253	American Policing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
CRIM 263	Introduction to Criminal Procedure	3
MODL 101	Modern Language Requirement	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3

Free elective (or Minor Class)	3
Declare a Thematic Thread ³	
Hours	15

Spring

CRIM 273	American Corrections	3
CRIM 301	Theoretical Criminology	3
MODL 102	Modern Language Requirement	3
SCI 102	Understanding the Physical World	3
Free elective (or Minor Class)		3
Hours		15

Third Year**Fall**

CRIM 318	Research Methods in Criminology and Criminal Justice	3
CRIM 345	Juvenile Delinquency	3
MODL 103	Modern Language Requirement	3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor Class)		3
Hours		15

Spring

CRIM 317	Statistical Methods in Criminology and Criminal Justice	3
CRIM Elective (1) ²		3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor class)		6
Hours		15

Fourth Year**Fall**

CRIM Elective (2) ²		3
CRIM Elective (3) ²		3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor Class)		3
Free Elective (or Minor Class)		3
Hours		15

Spring

CRIM 408	Capstone: Ethics and Criminal Justice	3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor Class)		9
Hours		15
Total Hours**		122

¹ Course offered in multiple subjects; cannot take course in first major subject

² Students' choice for CRIM electives are CRIM 190, CRIM 198, CRIM 290, CRIM 298, CRIM 321, CRIM 322, CRIM 326, CRIM 327, CRIM 328, CRIM 343, CRIM 360, CRIM 370, CRIM 380, CRIM 390, CRIM 398, CRIM 402, CRIM 404, CRIM 405, CRIM 414, CRIM 416, CRIM 422, CRIM 450, CRIM 468, CRIM 498 or SOWK 334

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year. Click here (<https://forms.office.com/Pages/ResponsePage.aspx?id=ul1VhjsH90-30bc6d8W9kIM7Wtmwv-VJnD6riXkdMh1UNEfHMUNHOEI5TkJOWIRHVzRCMzI3UldNTi4u>) to declare a thread.

* Students are encouraged to take ESAP 101 as a Free Elective.

- CRIM BA Major requires 40 Credit Hours (31 Core+9 Elective Credits)

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 70

Revised date: 12.15.2025

Criminology and Criminal Justice, Bachelor of Arts (BA) - Concentration in Community Corrections

Program Learning Outcomes

- PO #1 - Demonstrate professional proficiency in the academic study of crime, justice, and criminology. (UO #3, #4, #5, #7)
 - Develop competence in the history, theory and practice of the administration of criminal justice and its established content areas of law enforcement, courts and corrections.
 - Demonstrate understanding and application of criminological theories of crime causation, offenders, victims, and typologies.
 - Explain and understand the basic principles of research and the use and interpretation of statistics as they apply to criminological theory, existing crime data, and Criminal Justice policy evaluations.
 - Community corrections specialization students will be able to demonstrate knowledge of the history, philosophy, policy and practice of balanced and restorative justice, alternative sentencing, diversionary adjudication, human services and the principles of offender treatment in a community setting.
- PO #2 - Achieve acceptable levels of critical thinking, synthesis and analysis of informational sources about the study of crime and justice. (OU #2, #3)
 - Critically evaluate criminological literature and scholarship.
 - Apply critical analysis to current controversies and topics in criminal justice.
 - Synthesize disparate informational sources about criminal justice issues, policies or theories into synergistic and cogent understandings.
 - Recognize and understand the various perspectives of controversial issues in crime and justice.
- PO #3 - Understand and explain the importance of the study of and application of ethics, morals and values in Criminal Justice. (UO #8)
 - Formulate applications of the general field of ethical study to specific, criminal justice-related topics.
 - Employ ethical reflection and judgment to quickly emerging situations commonly found in the practice of law enforcement, correctional and court workgroup duties.
 - Develop familiarity with professional codes of ethics employed in the field.
- PO #4 - Learn and appreciate the role of human diversity in Criminal Justice. (OU #9)

- Demonstrate how diversity in human experience and culture applies to the professional practice of criminal justice in law enforcement, court processes, and corrections.
- Recognize the historical and contemporary roles of racial, ethnic, religious, gender/sex identity, LGBTQ+, and lifestyle intolerance in human violence and aggression.
- Examine and increase awareness of diversity challenges such as racial profiling, violence against women, and hate crime legislation and enforcement.

Related Links

Criminology and Criminal Justice - Community Corrections, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/criminology-and-criminal-justice-community-corrections/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirements		0-9
Other Basic Requirments		0-3
Major Requirements		40
Concentration Requirements		15
Electives		23

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Science Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Courses		
CRIM 110	Introduction to Criminology & Criminal Justice Systems ¹	3
CRIM 115	Proseminar ¹	1
CRIM 123	Crime Prevention	3

CRIM 253	American Policing ¹	3
CRIM 263	Introduction to Criminal Procedure ¹	3
CRIM 273	American Corrections ¹	3
CRIM 301	Theoretical Criminology ¹	3
CRIM 317	Statistical Methods in Criminology and Criminal Justice ¹	3
CRIM 318	Research Methods in Criminology and Criminal Justice ¹	3
CRIM 345	Juvenile Delinquency	3
CRIM 408	Capstone: Ethics and Criminal Justice ¹	3
Subtotal		31

Major Electives

Select nine credits from the following: 9

CRIM 190	Experimental ¹	
CRIM 198	Selected Topics ¹	
CRIM 290	Experimental ¹	
CRIM 298	Selected Topics ¹	
CRIM 302	Sexual Violence ¹	
CRIM 321	Criminal Justice interventions 1 ¹	
CRIM 322	Criminal Justice Interventions 2 ¹	
CRIM 326	Victimology ¹	
CRIM 327	Criminal Justice and the Multicultural Community ¹	
CRIM 328	Transnational Crime & Justice ¹	
CRIM 343	Criminal Investigations ¹	
CRIM 360	Police and Society ¹	
CRIM 368	Comparative Criminal Justice Abroad ¹	
CRIM 370	Inside Out Views of Criminal Justice Issues ¹	
CRIM 380	Women & the Criminal Justice System ¹	
CRIM 390	Experimental ¹	
CRIM 398	Selected Topics ¹	
CRIM 402	Forensic Behavior: Crime and the Individual ¹	
CRIM 404	Applied Criminal Procedures ¹	
CRIM 405	White Collar Crime ¹	
CRIM 414	Criminal Justice Policy ¹	
CRIM 416	Community Corrections ¹	
CRIM 422	The Death Penalty ¹	
CRIM 450	Internship ¹	
CRIM 468	Crime & Media ¹	
CRIM 498	Selected Topics ¹	
SOWK 334	Clinical Perspectives on DSM Diagnoses ¹	
Subtotal		9

Total Hours 40¹ Course counts for 50% of Major requirements and Major GPA.² Course can be counted as a Rock Studies 2 Requirement, but earns credit only once toward your 120-credits total.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Community Corrections Concentration (Optional)

Code	Title	Hours
Core Courses		
CRIM 416	Community Corrections	3
PSYC 276	Introduction to Abnormal Psychology	3
or SOWK 334	Clinical Perspectives on DSM Diagnoses	
SOWK 355	Social Work Practice with Individuals	3
SOWK 356	Social work Practice with Groups & Families	3
PSYC 321	Drugs and Behavior	3
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year long.
2. High-Impact Practice (HIP) designated classes (CRIM 343 and CRIM 370)
3. Student-faculty research
4. Student leadership opportunities – CRIM Club, Alpha Sigma Honors Society
5. Service-learning classes
6. Internships
7. Volunteering opportunities

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This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CRIMINOLOGY & CRIMINAL JUSTICE - BA (5 70)
w/optional Community Corrections Concentration (507C)

This program is effective as of Summer 2024

Revised 09.22.2025

UCC 11.28.2023

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Learning Community Cluster		

CRIM 110	Introduction to Criminology & Criminal Justice Systems	3
CRIM 105 or SOWK 105	Human Diversity or Human Diversity	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		16
Spring		
CRIM 115	Proseminar	1
CRIM 253	American Policing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Social Science Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
CRIM 263	Introduction to Criminal Procedure	3
MODL 101	Modern Language Requirement	3
PSYC 105	Introduction to Psychology	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ³		
Hours		15
Spring		
CRIM 273	American Corrections	3
CRIM 301	Theoretical Criminology	3
CRIM 317	Statistical Methods in Criminology and Criminal Justice	3
MODL 102	Modern Language Requirement	3
SCI 102	Understanding the Physical World	3
Hours		15
Third Year		
Fall		
CRIM 345	Juvenile Delinquency	3
PSYC 276 or SOWK 334	Introduction to Abnormal Psychology or Clinical Perspectives on DSM Diagnoses	3
SOWK 355	Social Work Practice with Individuals	3
MODL 103	Modern Language Requirement	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Winter		
Free Elective (or Minor class)		3
Hours		3
Spring		
CRIM 318	Research Methods in Criminology and Criminal Justice	3

CRIM 416	Community Corrections (CRIM Elective (1)) ²	3
SOWK 356	Social work Practice with Groups & Families	3
Thematic Thread Requirement (p. 19)		3
PSYC 321	Drugs and Behavior	3
Hours		15
Fourth Year		
Fall		
CRIM Elective (2) ²		3
CRIM Elective (3) ²		3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor Class)		3
Free Elective (or Minor Class)		3
Hours		15
Winter		
Free Elective (or Minor class)		3
Hours		3
Spring		
CRIM 408	Capstone: Ethics and Criminal Justice	3
Thematic Thread Requirement (p. 19)		3
Free Elective (or Minor Class)		9
Hours		15
Total Hours**		128

¹ Course offered in multiple subjects; cannot take course in first major subject

² Students' choice for CRIM electives are CRIM 190, CRIM 198, CRIM 290, CRIM 298, CRIM 321, CRIM 322, CRIM 326, CRIM 327, CRIM 328, CRIM 343, CRIM 360, CRIM 370, CRIM 380, CRIM 390, CRIM 398, CRIM 402, CRIM 404, CRIM 405, CRIM 414, CRIM 416, CRIM 422, CRIM 450, CRIM 468, CRIM 498 or SOWK 334

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

- CRIM BA Major requires 40 Credit Hours (31 Core+9 Elective Credits)
- Community Corrections Concentration
 - CRIM 416, PSYC 276 OR SOWK 334, SOWK 355, SOWK 356, and PSYC 321

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 70

Revised date: 09.24.2025

Criminology, Minor

The criminology minor is an 18-credit hour program, which provides students with an overview of criminology (the study of criminal behavior) and the criminal justice system. Specifically, it includes classes in criminological theory, policing, courts and adjudication, corrections, juvenile delinquency, and various elective courses (i.e., criminal investigations, police and society, the death penalty, crime and the

media, victimology, and white-collar crime). This minor is an excellent accompaniment to majors in psychology, social work, parks and resource management, homeland security, corporate security, and chemistry.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Students graduating in December 2015 and thereafter may only use 6 credits from their academic major towards the completion of an academic minor.
- Minor students will require pre-requisite overrides for all 300-level CRIM courses and above. Please contact your CRIM Adviser.

Code	Title	Hours
Core Requirements		
CRIM 110	Introduction to Criminology & Criminal Justice Systems	3
CRIM 123	Crime Prevention	3
Select one of the following:		3
CRIM 253	American Policing	
CRIM 263	Introduction to Criminal Procedure	
CRIM 273	American Corrections	
CRIM 301	Theoretical Criminology	3
CRIM 345	Juvenile Delinquency	3
Electives		
Select two of the following:		6
CRIM 190	Experimental	
CRIM 198	Selected Topics	
CRIM 290	Experimental	
CRIM 298	Selected Topics	
CRIM 317	Statistical Methods in Criminology and Criminal Justice	
CRIM 318	Research Methods in Criminology and Criminal Justice	
CRIM 321	Criminal Justice interventions 1	
CRIM 322	Criminal Justice Interventions 2	
CRIM 326	Victimology	
CRIM 327	Criminal Justice and the Multicultural Community	
CRIM 328	Transnational Crime & Justice	
CRIM 343	Criminal Investigations	
CRIM 360	Police and Society	

CRIM 380	Women & the Criminal Justice System
CRIM 390	Experimental
CRIM 398	Selected Topics
CRIM 402	Forensic Behavior:Crime and the Individual
CRIM 404	Applied Criminal Procedures
CRIM 405	White Collar Crime
CRIM 408	Capstone: Ethics and Criminal Justice
CRIM 414	Criminal Justice Policy
CRIM 416	Community Corrections
CRIM 422	The Death Penalty
CRIM 450	Internship
CRIM 468	Crime & Media
CRIM 490	Independent Study
CRIM 498	Selected Topics
Total Hours	21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN CRIMINOLOGY (80E)

This program is effective as of Summer 2024

Revised: 12.19.2023

UCC 11.28.2023

Forensics and Criminal Justice, Minor

PROGRAM LEARNING OUTCOMES

- **Professional Proficiency:** Develop scholarly and professional competence in the theory and practice of criminal justice. (UG 10) (UG 5) (UG 3)
- **Critical Thinking:** Achieve competence in the synthesis and analysis of informational sources about the study of crime and justice. (UG 2)

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- Students must take minor electives from at least THREE subject areas.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Students graduating in December 2015 and thereafter may only use 6 credits from their academic major towards the completion of an academic minor.
- Minor students may require pre-requisite overrides for all 300-level CRIM courses and above. Please contact your CRIM Advisor.
- Students must select electives from at least THREE different subject areas.

Code	Title	Hours
Core Requirements		
CRIM 110	Introduction to Criminology & Criminal Justice Systems	3
GES 115	Introduction to Geospatial Technologies	3
Electives		
Select five of the following from at least THREE different subject areas:		15
CRIM 343	Criminal Investigations	
CRIM 402	Forensic Behavior: Crime and the Individual	
CHEM 204	Introduction to Forensic Science	
CPSC 333 or MIS 333	Introduction to Computer Forensics	
GES 321	Introduction to UAS for Remote Sensing and Monitoring	
GES 325	Introduction to Geographic Information Science	
SOWK 321	Forensic Social Work	
Total Hours		21

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN FORENSICS AND CRIMINAL JUSTICE (80K)

This program is effective as of Summer 2023

Revision date: 12.19.2023

UCC 11.28.2023

Dance

Programs

Majors

- Dance, Bachelor of Arts (BA) (p. 644)
- Dance, Bachelor of Fine Arts (BFA) - Concentration in Dance Entrepreneurship (p. 648)
- Dance, Bachelor of Fine Arts (BFA) - Concentration in Performance and Choreography (p. 651)

Minors

- Dance: Pedagogy, Minor (p. 655)
- Dance: Performance, Minor (p. 656)

Dance, Bachelor of Arts (BA)

Dance – Bachelor of Arts

The Bachelor of Arts degree in Dance provides an excellent education in performance, choreography, and teaching, with additional components of wellness for dance, dance technology, and intercultural experience, preparing students for their chosen profession and entrepreneurial role in society.

This nationally renowned and rigorous program provides a comprehensive dance education that is compatible with other academic disciplines for students desiring a double major. The BA in dance can be completed in four years or on a compressed 3-year accelerated schedule for those completing summer study and/or bringing an Associate's Degree.

Bachelor of Arts in Dance: 40-42 credits

The BA program attracts a diverse population of students who are interested in a well-rounded program that allows for multiple performance and choreography opportunities, including both live and virtual (dance for the camera) performances. In addition to the many performing and choreography opportunities, Dance BA students will learn to expand and perfect artistic and research abilities through various courses in technique, performance, choreography, dance history, wellness for dance and teaching. Dance BA students complete a capstone course in the senior year, ensuring a well-rounded education relevant for dance professionals in the 21st century. Our graduates are employed in many careers in dance, including dance company members, dance teachers and professors, independent dance artists, wellness and fitness specialists, art administrators, adaptive dance instructors, costume and lighting designers, and other related careers.

The application and synthesis of practice and theory competencies are required for employment in the dance field. It is recommended that BA students be enrolled in a minimum of one technique class per semester. Competency based assessments will be used to determine level of proficiency, advancement in technique and performance, and synthesis of knowledge. The systematic assessment procedures developed by the dance faculty were created in conjunction with the National Association of Schools of Dance standards for liberal arts degree programs. By the end of the final year, BA dance students must demonstrate the following technical proficiency requirements:

- **Level IV in Modern Dance (required)**
- **Level III in Ballet (recommended)**
- **Level III in Jazz Dance (recommended)**

Program Learning Outcomes

- **Choreography:** Create and organize movement into artistic and aesthetic choreography.
- **Communication and Critical Thinking:** Demonstrate the ability to communicate and think critically in the areas of performance, choreography, and teaching.
- **Cultural Diversity:** Synthesize the social, political, and artistic role of dance in world cultures.
- **Degree Program Writing Competency:** Demonstrate writing that is clear, cohesive, and relevant to the dance field, utilizing appropriate vocabulary, grammar, research, and citation methods.
- **Teaching:** Organize the knowledge, skills, aesthetics and art of dance into effective, ethical and responsible teaching practices.
- **Technique:** Demonstrate mastery of the core concepts in dance technique and performance in DANC 420 (modern dance technique IV).
- **Wellness:** Students will apply dance wellness principles in the areas of performance, teaching, and choreography.

Related Links

Dance, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/dance-bachelor-of-arts/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	41-42
	Electives	37

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Dance Core		
DANC 101	Wellness for Dancers ¹	3
DANC 199	Dance Making and the Art of Performance ¹	3
DANC 200	Dance Composition I ¹	3
DANC 216	Principles of Dance Production ¹	3
DANC 223	Creative Dance for Children ¹	3
DANC 224	Improvisation ¹	3
DANC 301	Dances of Selected Cultures ¹	2
DANC 323	Teaching of Dance ¹	3
DANC 324	Music for Dance ¹	3
DANC 326	Dance Kinesiology ¹	3
DANC 350	Field Experience in Dance Technique ¹	1
DANC 419	Dance in Contemporary Times ¹	3
DANC 420	Modern Dance Technique: Level IV ¹	2
DANC 425	Senior Capstone I: Dance Research ¹	3
Subtotal		38
Additional Core Requirements		
Select 3 or 4 credits from one of the following groups:		3-4
<i>Group 1: Dance Theory and Practice (Technique)</i>		
Select two of the following courses bringing your total BA degree to 42 credit hours:		
DANC 321	Ballet III ¹	
DANC 322	Jazz Dance III ¹	
DANC 424	Contemporary Partnering ¹	
<i>Group 2: Composition and Technology</i>		
Select one course bringing your total BA degree to 41 credit hours:		
DANC 271	Dance Technology ¹	
DANC 300	Dance Composition II ¹	
<i>Group 3: Social and Historical Perspectives</i>		
Select one course bringing your total BA degree to 42 credit hours:		
DANC 305	Society and Social Dance ¹	
DANC 318	Dance in the Political World ¹	
Subtotal		3-4
Total Hours		41-42

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Competency Based Requirements for the BA in Dance Degree Program of Study

Competency based assessments will be used to determine level of proficiency, advancement in technique and performance, and synthesis of knowledge. The systematic assessment procedures developed by the dance faculty were created in conjunction with the National Association of Schools of Dance standards for liberal arts degree programs. By the

end of the final year, BA dance students must demonstrate the following technical proficiency requirements:

- **Level IV in Modern Dance (required)**
- **Level III in Ballet (recommended)**
- **Level III in Jazz Dance (recommended)**

Co-Curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Career education and development
2. Field experiences
3. Guest artist residencies and repertory experiences
4. High-impact practice (HIP) courses and activities
5. International study programs (short-term, semester)
6. Internships and Independent study
7. Residential dance companies
8. Service opportunities
9. Student-faculty research and creative projects
10. Student leadership development and opportunities
11. Summer dance intensives and workshops

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Dance - BA (5153)

This program is effective as of Fall 2020.

Revision date: 09.22.2025

UCC 03.02.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
DANC 101	Wellness for Dancers	3
DANC 220	Modern Dance Technique: Level II ¹	2
DANC 221	Ballet II ¹	2
DANC 222	Jazz Dance II (Or Computer Competency Requirement)	2
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ²	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		18
Spring		
DANC 224	Improvisation	3

DANC 216	Principles of Dance Production	3
DANC 220	Modern Dance Technique: Level II ¹	2
DANC 221	Ballet II ¹	2
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
ENGL 104	Critical Reading	3
Determine additional 3-4 credits of core requirements from one of these groups:		3-4
Dance Theory and Practice (Technique); Composition and Technology Social and Historical Perspectives. These courses will be listed as electives in upcoming semesters ⁵		

Hours 19-20

Second Year

Fall

DANC 200	Dance Composition I	3
DANC 301	Dances of Selected Cultures	2
DANC 320	Modern Dance Technique: Level III ¹	2
Select one of the following:		2-3
DANC 271	Dance Technology ⁶	
DANC 222	Jazz Dance II	
DANC 321	Ballet III	
MATH 117	Quantitative Reasoning	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3

Note: Taking more than 18 credits requires an additional fee

Declare a Thematic Thread ³

Hours 18-19

Spring

DANC 199	Dance Making and the Art of Performance	3
DANC 223	Creative Dance for Children	3
DANC 299	Dance Rehearsal and Production	1
or DANC 499	or Dance Rehearsal and Production	
DANC 320	Modern Dance Technique: Level III ¹	2
DANC 324	Music for Dance	3
Select one of the following:		3
DANC 305	Society and Social Dance (Thread)	
DANC 318	Dance in the Political World (Thread)	
SCI 101	Science of Life	3

Hours 18

Third Year

Fall

DANC 420	Modern Dance Technique: Level IV	2
Select one of the following:		2
DANC 222	Jazz Dance II (Elective) ¹	
DANC 321	Ballet III (Elective) ¹	
Select one of the following:		3-5
DANC 399	Repertory (Elective)	
DANC 499	Dance Rehearsal and Production (Elective)	
DANC 271	Dance Technology ⁶	
DANC 300	Dance Composition II	
DANC 318	Dance in the Political World ⁴	

DANC 424	Contemporary Partnering ⁴	
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3
Language Requirement		3

Hours 16-18

Spring

DANC 326	Dance Kinesiology	3
DANC 419	Dance in Contemporary Times	3
DANC 420	Modern Dance Technique: Level IV ¹	2
Language Requirement		3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
DANC 499	Dance Rehearsal and Production (Elective)	1

Hours 18

Fourth Year

Fall

DANC 323	Teaching of Dance	3
DANC 350	Field Experience in Dance Technique	1
DANC 425	Senior Capstone I: Dance Research	3
DANC 499	Dance Rehearsal and Production (Elective)	1
Select a Dance Technique Elective (Ballet, Contemporary Partnering, Jazz Modern)		2
Language Requirement or Dance Elective		3
Thematic Thread Requirement (p. 19)		3

December Graduation

Hours 16

Total Hours 123-127**

¹ Proficiency Requirement

² Course offered in multiple subjects; cannot take course in first major subject.

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ DANC 318 and DANC 424 offered every other year

⁵

- 2nd year spring offerings: Technique OR DANC 305
- 3rd year fall offerings: Upper Division Technique OR DANC 318 OR DANC 271/DANC 300
- 3rd year spring offerings: Upper Division Technique OR DANC 305
- 4th year fall offerings: Upper Division Technique OR DANC 318 OR DANC 271/DANC 300

⁶ If DANC 271 is taken, an additional 2 upper division credits must be completed in order to meet the 20 upper division required credits.

• **The BA in dance 1st majors will need to make sure they take a Rock Studies 2 Thread that has DANC 305 or DANC 318. Students will need to register for DANC 305 or DANC 318 and this will count in Rock Studies 2 and the major.** *If dance is a student's second major then they need to select group 3: Social and Historical Perspectives to complete their requirements.

• Proficiency Requirements allows the student to develop and demonstrate progression toward reaching departmental technique proficiency requirements and meeting performance competency accreditation standards for dance majors pursuing an undergraduate liberal arts degree.

- Students must successfully complete DANC 420 Modern IV level competency in order to graduate.
- Dance Elective courses provides opportunities for students to choose the coursework appropriate to their individual needs and interests; while remaining consistent with the goals and objectives of the liberal arts degree program being followed.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5153

Revision date: 09.24.2025

Dance, Bachelor of Fine Arts (BFA) - Concentration in Dance Entrepreneurship

The BFA (Dance Entrepreneurship) is for the student who aspires to be a dance studio owner and operator, work as a dance company manager, public relations or marketing specialist, or other dance administrative position. In addition, this degree can lead students to any entrepreneurial endeavor in concert dance or entertainment. This degree provides excellent dance education and advanced training in the business of dance, performance, choreography, and teaching, along with additional areas of wellness for dancers, dance in a global context, and dance technology.

BACHELOR OF FINE ARTS IN DANCE (DANCE ENTREPRENEURSHIP): CREDITS: 69 BUSINESS CONCENTRATION CREDITS: 9

The BFA program with a concentration in Dance Entrepreneurship attracts a diverse population of students who are interested in a well-rounded program that allows for multiple performance and choreography opportunities and has a strong business component. In addition to business courses, Dance BFA students will complete courses up to the advanced level in performance, choreography, teaching, and various dance techniques. In addition, courses such as Wellness for Dancers, Dances of Selected Cultures, Dance Technology, Dance History courses, and two Senior Capstone courses ensure a well-rounded education relevant for dance professionals in the 21st century. Our graduates are enjoying a variety of careers in dance, including arts administrators, dance studio owners, dance teachers, and independent dance artists. This program will prepare BFA majors for a wide range of dance entrepreneurial careers.

All BFA students must be enrolled in a minimum of one technique class per day each semester. Competency based assessments will be used to determine level of proficiency, advancement in technique and performance, and synthesis of knowledge. The systematic assessment procedures developed by the dance faculty were created in conjunction with the National Association of Schools of Dance standards for professional degree programs. By the end of the final year, BFA Dance Entrepreneurship students must demonstrate the following technical proficiency requirements:

- **Level VI in Modern Dance**
- **Level IV in Ballet or Jazz Dance**

Program Learning Outcomes

- **Choreography:** Create and organize movement into artistic and aesthetic choreography.
- **Communication and Critical Thinking:** Demonstrate the ability to communicate and think critically in the areas of performance, choreography, and teaching.
- **Cultural Diversity:** Synthesize the social, political, and artistic role of dance in world cultures.
- **Degree Program Writing Competency:** Demonstrate writing that is clear, cohesive, and relevant to the dance field, utilizing appropriate vocabulary, grammar, research, and citation methods.
- **Teaching:** Organize the knowledge, skills, aesthetics, and art of dance into effective, ethical and responsible teaching practices.
- **Technique:** Demonstrate mastery of the core concepts in dance technique and performance in DANC 428 (modern dance technique VI).
- **Wellness:** Apply dance wellness principles in the areas of performance, teaching, and choreography.
- **Business Proficiency:** Analyze and apply business principles to selected areas of the dance field.

Related Links

Dance - Dance Entrepreneurship, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/dance-bachelor-of-fine-arts/dance-bfa-major-requirements/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 3.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	

PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above

Code	Title	Hours
Dance Core		
DANC 101	Wellness for Dancers ¹	3

DANC 199	Dance Making and the Art of Performance ¹	3
DANC 200	Dance Composition I ¹	3
DANC 216	Principles of Dance Production ¹	3
DANC 223	Creative Dance for Children ¹	3
DANC 224	Improvisation ¹	3
DANC 300	Dance Composition II ¹	3
DANC 301	Dances of Selected Cultures	2
DANC 323	Teaching of Dance ¹	3
DANC 324	Music for Dance ¹	3
DANC 326	Dance Kinesiology ¹	3
DANC 350	Field Experience in Dance Technique ^{1,2}	1
DANC 419	Dance in Contemporary Times ¹	3
DANC 420	Modern Dance Technique: Level IV ¹	2
DANC 424	Contemporary Partnering ¹	2
DANC 425	Senior Capstone I: Dance Research ¹	3
DANC 426	Modern Dance Technique: Level V ¹	2
DANC 428	Modern Dance Technique: Level VI ¹	2
DANC 430	BFA Capstone II: Performance, Choreography, and Entrepreneurship	3
Subtotal		50
Additional Advanced Technique Proficiency - choose one		2

DANC 421	Ballet IV ¹	
DANC 422	Jazz Dance IV ¹	
Subtotal		2

Performance, Choreography & Entrepreneurship Electives

Select up to 8 credits from any combination of the following courses (at least 2 credits must be Rehearsal and Production (299/499) and/or Repertory (399)):

DANC 299	Dance Rehearsal and Production ¹	
DANC 321	Ballet III	
DANC 322	Jazz Dance III	
DANC 399	Repertory ¹	
DANC 450	Dance Internship	
DANC 490	Independent Study	
DANC 495	Workshop	
DANC 499	Dance Rehearsal and Production ¹	
Subtotal		8

Historical Perspectives and Experimental Approaches:

Select two of the following:		6
DANC 271	Dance Technology ¹	
DANC 305	Society and Social Dance ¹	
DANC 318	Dance in the Political World ¹	
DANC 390	Experimental ¹	
Subtotal		6

Dance Entrepreneurship Concentration:

Select three of the following:		9
ACCT 209	Financial Accounting	
COMM 231	Principles of Integrated Marketing Communication & Public Relations	
COMM 307	Social Media	
MGMT 341	Organizational Leadership	
MGMT 351	Organizational Behavior	

MGMT 370	Sustainable Entrepreneurship and Innovation	
MKTG 230	Principles of Marketing	
NLPA 305	Financial Best Practices for Decision Makers	
Subtotal		9
Elective		
Select one of the following:		3
COMM 228	Principles of Creative Advertising	
COMM 235	Introduction to Digital Design	
COMM 407	Social Media Network Analytics	
ENGL 429	Grant and Proposal Writing	
MKTG 332	Business Marketing	
MKTG 333	Consumer Behavior	
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA

² Taken concurrently with DANC 323.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Career education and development
2. Field Experiences
3. Guest artist residencies and repertory experiences
4. High-Impact Practice (HIP) courses and activities
5. International study programs (short-term, semester)
6. Internships and Independent Study
7. Residential Dance Companies
8. Service opportunities
9. Student-faculty research and creative projects
10. Student leadership development and opportunities
11. Summer dance intensives and workshops

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Dance - BFA (5355)

Concentration in Dance Entrepreneurship (DAEN)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 01.31.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
DANC 101	Wellness for Dancers	3
DANC 220	Modern Dance Technique: Level II	2
DANC 221	Ballet II	2
DANC 222	Jazz Dance II	2
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		18
Spring		
DANC 216	Principles of Dance Production	3
DANC 220	Modern Dance Technique: Level II	2
DANC 221	Ballet II	2
DANC 224	Improvisation	3
DANC 299	Dance Rehearsal and Production	1
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Computer Competency Requirement		0-1
Hours		17-18
Second Year		
Fall		
DANC 200	Dance Composition I	3
DANC 301	Dances of Selected Cultures	2
DANC 320	Modern Dance Technique: Level III	2
DANC 321	Ballet III (Elective) ⁵	2
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		18
Spring		
DANC 199	Dance Making and the Art of Performance	3
DANC 322	Jazz Dance III	2
DANC 321	Ballet III ⁵	2
DANC 320	Modern Dance Technique: Level III	2
DANC 324	Music for Dance	3
Required Dance Entrepreneurship Course ⁴		3
Select one of the following: ³		1-3
DANC 305	Society and Social Dance	
DANC 390	Experimental	
DANC 399	Repertory ⁵	
SCI 102	Understanding the Physical World	3

*Additional credits beyond 18 require an extra fee

		Hours	19-21
Third Year			
Fall			
DANC 420	Modern Dance Technique: Level IV	2	
DANC 421	Ballet IV (Concentration Requirement)	2	
DANC 424	Contemporary Partnering ⁶	2	
DANC 300	Dance Composition II	3	
Required Dance Entrepreneurship Course ⁴		3	
Select one of the following: ³		1-3	
DANC 271	Dance Technology		
DANC 318	Dance in the Political World		
Thematic Thread Requirement (p. 19)			3
		Hours	16-18
Spring			
DANC 326	Dance Kinesiology	3	
DANC 419	Dance in Contemporary Times	3	
DANC 420	Modern Dance Technique: Level IV	2	
DANC 422	Jazz Dance IV	2	
or DANC 421	or Ballet IV		
DANC 223	Creative Dance for Children	3	
DANC 399	Repertory ⁵	2	
Required Dance Entrepreneurship Course ⁴		3	
		Hours	18
Fourth Year			
Fall			
DANC 323	Teaching of Dance	3	
DANC 350	Field Experience in Dance Technique	1	
DANC 425	Senior Capstone I: Dance Research	3	
DANC 426	Modern Dance Technique: Level V	2	
DANC 421	Ballet IV (Advanced Technique Proficiency Requirement)	2	
DANC 499	Dance Rehearsal and Production	1	
Social Science Inquiry (p. 19)			3
		Hours	15
Spring			
DANC 428	Modern Dance Technique: Level VI (Advanced Technique Proficiency Requirement)	2	
DANC 422	Jazz Dance IV (Advanced Technique Proficiency Requirement)	2	
DANC 430	BFA Capstone II: Performance, Choreography, and Entrepreneurship	3	
Required Dance Entrepreneurship Course ⁴		3	
Optional Performance, Choreography & Entrepreneurship Electives: ⁵		1	
DANC 450	Dance Internship		
DANC 490	Independent Study		
DANC 499	Dance Rehearsal and Production		
Thematic Thread Requirement (p. 19)			3

Thematic Thread Requirement (p. 19)	3
Hours	17
Total Hours**	138-143

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ In addition, majors must complete two of the following courses: DANC 271 (Offered in Fall Semester) DANC 305 (Offered in Spring Semester), DANC 318 (Offered in Fall semester of even years), and/or DANC 390. Please work with your academic adviser to plan accordingly.

⁴ **Dance Entrepreneurship Concentration**

**Select three of the following: ACCT 209, MKTG 230, COMM 231, MGMT 351, MGMT 370, MGMT 341, NLPA 305, COMM 307.

***Select one of the following: COMM 228, COMM 235, NLPA 325, MKTG 332, MKTG 333, COMM 407, ENGL 429.

⁵ Need 8 credits from any combination of the following courses (at least 2 credits must be Rehearsal and Production (DANC 299/DANC 499) and/or Repertory (DANC 399): DANC 299, DANC 321, DANC 322, DANC 399, DANC 450, DANC 490, DANC 495, DANC 499

⁶ DANC 424 is offered fall semester of even years.

- All BFA students must progressively develop technical competencies and reach proficiency standards in Modern Dance to the highest Level of DANC 428-Modern VI in order to graduate. Additionally, BFA-DAEN students must reach level IV proficiency in Ballet **OR** Jazz techniques.
- Dance Elective courses provide opportunities for students to choose the coursework appropriate to their individual needs and interests; while remaining consistent with the goals and objectives of the professional undergraduate degree program being followed.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5153

Concentration Code: DAEN

Revision date: 09.24.2025

Dance, Bachelor of Fine Arts (BFA) - Concentration in Performance and Choreography

The BFA (Performance and Choreography) is for the student who aspires to be a dance performer and choreographer in concert dance or the entertainment industry. In addition, this degree will prepare students for teaching different levels of students and populations in various settings. This degree provides excellent dance education and advanced training in performance, choreography, and teaching, along with additional areas of wellness for dancers, dance in a global context, and dance technology.

Bachelor of Fine Arts in Dance (Performance and Choreography): Core Credits: 60 Performance and Choreography: 18

The BFA program with a concentration in Performance and Choreography attracts a diverse population of students who are interested in a well-rounded program that allows for multiple performance and choreography opportunities, including both live and virtual (dance for the camera) performances. In addition to the many performing and choreography opportunities, Dance BFA students will complete courses up to the advanced level in performance, choreography, teaching, and various dance techniques. In addition, courses such as Wellness for Dancers, Dances of Selected Cultures, Dance Technology, Dance History courses, and two Senior Capstone courses ensure a well-rounded education relevant for dance professionals in the 21st century. Our graduates are enjoying a variety of careers in dance, including dance company members, dance teachers and professors, and independent dance artists. This program will prepare BFA majors for a wide range of dance careers in the dance profession.

All BFA students must be enrolled in a minimum of one technique class per day each semester. Competency based assessments will be used to determine level of proficiency, advancement in technique and performance, and synthesis of knowledge. The systematic assessment procedures developed by the dance faculty were created in conjunction with the National Association of Schools of Dance standards for professional degree programs. By the end of the final year, BFA Performance and Choreography students must demonstrate the following technical proficiency requirements:

- **Level VI in Modern Dance**
- **Level IV in Ballet and Jazz Dance**

Program Learning Outcomes

- **Choreography:** Create and organize movement into artistic and aesthetic choreography.
- **Communication and Critical Thinking:** Demonstrate the ability to communicate and think critically in the areas of performance, choreography, and teaching.
- **Cultural Diversity:** Synthesize the social, political, and artistic role of dance in world cultures.
- **Degree Program Writing Competency:** Demonstrate writing that is clear, cohesive, and relevant to the dance field, utilizing appropriate vocabulary, grammar, research, and citation methods.
- **Teaching:** Organize the knowledge, skills, aesthetics, and art of dance into effective, ethical and responsible teaching practices.
- **Technique:** Demonstrate mastery of the core concepts in dance technique and performance in DANC 428 (modern dance technique VI).
- **Wellness:** Apply dance wellness principles in the areas of performance, teaching, and choreography.

Related Links

Dance - Performance and Choreography, BFA Program Page (<https://www.sru.edu/academics/majors-and-minors/dance-bachelor-of-fine-arts/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12

Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy

thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 40 major credits must be taken at SRU or PASSHE
- 40 major credits must be taken at the 300 level or above

Code	Title	Hours
Dance Core		
DANC 101	Wellness for Dancers ¹	3
DANC 199	Dance Making and the Art of Performance ¹	3
DANC 200	Dance Composition I ¹	3
DANC 216	Principles of Dance Production ¹	3
DANC 223	Creative Dance for Children ¹	3
DANC 224	Improvisation ¹	3
DANC 300	Dance Composition II ¹	3
DANC 301	Dances of Selected Cultures	2
DANC 323	Teaching of Dance ¹	3
DANC 324	Music for Dance ¹	3
DANC 326	Dance Kinesiology ¹	3
DANC 350	Field Experience in Dance Technique ^{1,2}	1
DANC 419	Dance in Contemporary Times ¹	3
DANC 420	Modern Dance Technique: Level IV ¹	2
DANC 424	Contemporary Partnering ¹	2
DANC 425	Senior Capstone I: Dance Research ¹	3
DANC 426	Modern Dance Technique: Level V ¹	2
DANC 428	Modern Dance Technique: Level VI ¹	2
DANC 430	BFA Capstone II: Performance, Choreography, and Entrepreneurship ¹	3
Subtotal		50
Additional Advanced Technique Proficiency		
DANC 421	Ballet IV ¹	2
DANC 422	Jazz Dance IV ¹	2
Subtotal		4
Historical Perspectives and Experimental Approaches:		
Select two of the following: ³		6
DANC 271	Dance Technology ¹	

DANC 305	Society and Social Dance ¹	
DANC 318	Dance in the Political World ¹	
DANC 390	Experimental ¹	
Subtotal		6

Performance and Choreography Concentration:

Select up to 18 credits from a combination of the following courses (at least 2 credits must come from the Rehearsal and Production and Repertory block): ⁴	18

Modern III-VI

DANC 320	Modern Dance Technique: Level III ⁵
DANC 420	Modern Dance Technique: Level IV ⁵
DANC 426	Modern Dance Technique: Level V ⁵
DANC 428	Modern Dance Technique: Level VI ⁵

Ballet III-IV

DANC 321	Ballet III ⁵
DANC 421	Ballet IV ⁵

Jazz III-IV

DANC 322	Jazz Dance III ⁵
DANC 422	Jazz Dance IV ⁵

Rehearsal and Performance, and Repertory

At least 2 credits must come from this block:

DANC 299	Dance Rehearsal and Production (Repeatable up to 4 credits)
DANC 399	Repertory (Repeatable up to 6 credits)
DANC 499	Dance Rehearsal and Production (Repeatable up to 4 credits)

Electives:

DANC 271	Dance Technology	
DANC 305	Society and Social Dance	
DANC 318	Dance in the Political World	
DANC 450	Dance Internship	
DANC 490	Independent Study	
DANC 495	Workshop	
Subtotal		18

Total Hours **78**

¹ Course counts for 50% of Major requirements and Major GPA

² Taken concurrently with DANC 323.

³ One must be DANC 305 or DANC 318.

⁴ One must be DANC 430.

⁵ May only count once in this block

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Concentration in Performance and Choreography (PECH)

All BFA students must be enrolled in a minimum of one technique class per day each semester. Competency based assessments will be used to determine level of proficiency, advancement in technique and performance, and synthesis of knowledge. The systematic assessment procedures developed by the dance faculty were created in conjunction with the National Association of Schools of Dance standards for professional degree programs. By the end of the final year,

BFA Performance and Choreography students must demonstrate the following technical proficiency requirements:

- **Level VI in Modern Dance**
- **Level IV in Ballet and Jazz Dance**

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. Career education and development
2. Field Experiences
3. Guest artist residencies and repertory experiences
4. High-Impact Practice (HIP) courses and activities
5. International study programs (short-term, semester)
6. Internships and Independent study
7. Residential Dance Companies
8. Service opportunities
9. Student-faculty research and creative projects
10. Student leadership development and opportunities
11. Summer dance intensives and workshops

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Dance - BFA (5355)

Concentration in Performance and Choreography (PECH)

This program is effective as of Fall 2020.

Revision date: 09.22.2025

UCC 10.16.2021

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
DANC 101	Wellness for Dancers	3
DANC 220	Modern Dance Technique: Level II	2
DANC 221	Ballet II	2
DANC 222	Jazz Dance II	2
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Hours		18
Spring		
DANC 216	Principles of Dance Production	3
DANC 220	Modern Dance Technique: Level II	2

DANC 221	Ballet II	2
DANC 224	Improvisation	3
DANC 299	Dance Rehearsal and Production	1
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Computer Competency Requirement		0-1
Hours		17-18

Second Year

Fall

DANC 200	Dance Composition I	3
DANC 301	Dances of Selected Cultures	2
DANC 320	Modern Dance Technique: Level III	2
DANC 321	Ballet III (Elective)	2
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		18

Spring

DANC 199	Dance Making and the Art of Performance	3
DANC 320	Modern Dance Technique: Level III	2
DANC 321	Ballet III	2
DANC 322	Jazz Dance III	2
DANC 324	Music for Dance	3
SCI 102	Understanding the Physical World	3
Select one of the following: ³		1-3
DANC 305	Society and Social Dance	
DANC 390	Experimental	
Hours		16-18

Third Year

Fall

DANC 300	Dance Composition II	3
DANC 399	Repertory	2
DANC 420	Modern Dance Technique: Level IV	2
DANC 421	Ballet IV (Concentration Requirement)	2
DANC 424	Contemporary Partnering	2
DANC 499	Dance Rehearsal and Production	1
Select one of the following: ³		1-3
DANC 271	Dance Technology	
DANC 318	Dance in the Political World	
Social Science Inquiry (p. 19)		3
Hours		16-18

Spring

DANC 321	Ballet III	2
or DANC 421	or Ballet IV	
DANC 322	Jazz Dance III	2
or DANC 422	or Jazz Dance IV	
DANC 223	Creative Dance for Children	3
DANC 326	Dance Kinesiology	3

DANC 419	Dance in Contemporary Times	3
DANC 420	Modern Dance Technique: Level IV	2
Thematic Thread Requirement (p. 19)		3
Hours		18

Fourth Year**Fall**

DANC 271	Dance Technology	3
DANC 323	Teaching of Dance	3
DANC 350	Field Experience in Dance Technique	1
DANC 421	Ballet IV (Advanced Technique Proficiency Requirement)	2
DANC 425	Senior Capstone I: Dance Research	3
DANC 426	Modern Dance Technique: Level V	2
DANC 499	Dance Rehearsal and Production	1
Thematic Thread Requirement (p. 19)		3
Hours		18

Spring

DANC 421	Ballet IV	2
DANC 422	Jazz Dance IV (Advanced Technique Proficiency Requirement)	2
DANC 428	Modern Dance Technique: Level VI (Advanced Technique Proficiency Requirement)	2
DANC 430	BFA Capstone II: Performance, Choreography, and Entrepreneurship	3
DANC 499	Dance Rehearsal and Production	1
Select one of the following (if needed as elective):		0-3
DANC 450	Dance Internship	
DANC 490	Independent Study	
DANC 495	Workshop	
Thematic Thread Requirement (p. 19)		3
Hours		13-16
Total Hours**		134-142

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ In addition, majors must complete two of the following courses: DANC 271 (Offered in Fall Semester) DANC 305 (Offered in Spring Semester), DANC 318 (Offered in Fall semester of even years), and/or DANC 390. Please work with your academic adviser to plan accordingly.

- **The BFA in dance major will need to make sure they take a Rock Studies 2 Thread that has** DANC 305 (<https://catalog.sru.edu/search/?P=DANC%20305>) **or** DANC 318 (<https://catalog.sru.edu/search/?P=DANC%20318>). **Students will need to register for** DANC 305 (<https://catalog.sru.edu/search/?P=DANC%20305>) **or** DANC 318 (<https://catalog.sru.edu/search/?P=DANC%20318>) **and this will count in Rock Studies 2 and the dance major program. NOTE: DANC 305** (<https://catalog.sru.edu/search/?P=DANC%20305>) **is offered in Spring Semesters; DANC 318** (<https://catalog.sru.edu/search/?P=DANC%20318>) **is offered in Fall semesters of even years.**

- All BFA students must progressively develop technical competencies and reach proficiency standards in Modern Dance to the highest Level of DANC 428-Modern VI in order to graduate. Additionally, BFA-PECH students must reach level IV proficiency in Ballet **and** Jazz techniques.

- Dance Elective courses provides opportunities for students to choose the coursework appropriate to their individual needs and interests; while remaining consistent with the goals and objectives of the professional undergraduate degree program being followed.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5153

Concentration Code: PECH

Revision date: 09.24.2025

Dance: Pedagogy, Minor

The Dance Pedagogy Minor prepares students to integrate the teaching of dance into educational scenarios in the public or private sectors. Courses such as Wellness for Dancers, Creative Dance for Children, Teaching of Dance and Dance Composition, among other courses, will equip you with the necessary tools to be an effective, safe, and knowledgeable dance teacher. Graduates with this minor may pursue careers in dance studios, pre-schools, elementary and middle schools, specialized arts camps, fitness centers, and youth and community centers. Students who major in Education, Psychology, Exercise Science, Theatre, Communication, Business Administration, Art and Music, among others, have successfully completed the Dance Pedagogy Minor and integrated their skills and knowledge into their professions. Students who attain this minor are also eligible for the Creative Dance Creative Movement Endorsement Certificate through the PA Department of Education Licensure through the PA Department of Education. An audition is required for acceptance to the Dance Pedagogy Minor.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 3 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Requirements		
DANC 130 or DANC 305	Dance: Art and Culture Society and Social Dance	3

DANC 101	Wellness for Dancers	3
DANC 125	Experiencing Dance: Techniques and Styles	3
DANC 200	Dance Composition I	3
DANC 223	Creative Dance for Children	3
DANC 224	Improvisation	3
DANC 323	Teaching of Dance ¹	3
DANC 350	Field Experience in Dance Technique	1
Electives		
Select 2 credits from the following:		2
DANC 220	Modern Dance Technique: Level II	
DANC 221	Ballet II	
DANC 222	Jazz Dance II	
DANC 301	Dances of Selected Cultures	
DANC 320	Modern Dance Technique: Level III	
DANC 321	Ballet III	
DANC 322	Jazz Dance III	
Total Hours		24

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

¹ Highly recommended that students register for a dance technique class (DANC 220, DANC 221, DANC 222, DANC 298, DANC 320, DANC 321, or DANC 322) while completing this requirement.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN DANCE: PEDAGOGY (62B)

This program is effective as of Fall 2020

Revision date: 11.23.2022

UCC 09.21.21

Dance: Performance, Minor

The Dance Performance Minor enhances knowledge and execution of dance technique and performance. Studio practice classes in Modern Dance, Jazz Dance, Ballet, Improvisation, Repertory, and Dances of Selected Cultures, among others, will prepare the student with a foundation of technical and creative tools needed to succeed in Musical Theatre and other areas. This minor is open to any student interested in furthering their technical and performance level in dance, and is particularly popular among BFA students in Musical Theatre. Graduates with this minor may pursue careers in Musical Theatre and other performance opportunities, dance studio teaching, and dance in the community. An audition is required for acceptance to the Dance Performance Minor.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 3 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Requirements		
DANC 130	Dance: Art and Culture	3
DANC 125	Experiencing Dance: Techniques and Styles	3
DANC 224	Improvisation	3
DANC 305	Society and Social Dance	3
Electives		
Select eight credits from the following:		8
DANC 220	Modern Dance Technique: Level II	
DANC 221	Ballet II	
DANC 222	Jazz Dance II	
DANC 301	Dances of Selected Cultures	
DANC 320	Modern Dance Technique: Level III	
DANC 321	Ballet III	
DANC 322	Jazz Dance III	
DANC 399	Repertory	
DANC 422	Jazz Dance IV	
DANC 499	Dance Rehearsal and Production	
Total Hours		20

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN DANCE: PERFORMANCE (62A)

This program is effective as of Fall 2020

Revision date: 11.22.2022

UCC 09.21.2021

English Programs Majors

- English Literature, Bachelor of Arts (BA) - Concentration in Language and Literature (p. 657)
- English Literature, Bachelor of Arts (BA) - Concentration in Literary, Film, and Cultural Studies (p. 660)
- English Writing, Bachelor of Science (BS) - Concentration in Creative Writing (p. 663)
- English Writing, Bachelor of Science (BS) - Concentration in Professional Writing (p. 667)

Minors

- Film and Media Studies, Minor (p. 669)
- Literature, Minor (p. 670)
- Writing, Minor (p. 671)

Certificates

- Creative Writing and Book Arts, Certificate (p. 657)

Creative Writing and Book Arts, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Creative Writing and Book Arts, Certificate Program Page (<https://www.sru.edu/academics/certificates/creative-writing-and-book-arts-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses:		6
ENGL 225	Introduction to Creative Writing	
ENGL 330	Literary Publications & Design (capstone course)	
Elective Courses:		6
ART 105	Basic Studio Drawing ¹	
ART 107	Basic Studio Photography ¹	
ART 108	Basic Studio Printmaking ¹	
ENGL 298	Selected Topics	
GES 205	Cultural Geography	
GES 331	Economic Geography	
HIST 205	The Historian's Craft	

GND 115	Introduction to Gender Studies
Total Hours	12

¹ Upper level studio art courses (ART 205, ART 207, ART 208, ART 211, ART 213, ART 305- ART 311) may be substituted at the discretion of the English Department Chair.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN CREATIVE WRITING AND BOOK ARTS (5123)
Effective Spring 2015
Revised 10-2019

English Literature, Bachelor of Arts (BA) - Concentration in Language and Literature

Students pursuing a B.S. in Secondary Education must take the following courses within the Language and Literature concentration to fulfill NCATE and PDE requirements. These courses include: ENGL 204, ENGL 305, ENGL 307, and ENGL 328. Secondary Education majors should work closely with their academic advisers.

Students pursuing a B.A. in English: Language and Literature without the B.S. in Secondary Education may take approved electives. Choose from the following: ENGL 248, ENGL 298, ENGL 311, ENGL 410 or any course listed below that has not already been taken. Approval by academic adviser and department chair is required.

Program Learning Outcomes

- Interaction with Diverse Literary Texts: Display knowledge of discipline specific content through written and oral interaction with diverse literary and cultural texts.
- Methods of Discipline Specific Analysis: Apply principle methods of discipline specific analysis, and understand the basic assumptions and theoretical constructs that guide criticism
- Literature and Language as Cultural Artifacts: Express how literature and language, as cultural artifacts, respond to and record the value systems of diverse cultures and human experiences

Universal Program Outcomes

- Research Tools and Resources: Use the research tools and resources of the profession, integrate them effectively into interpretive arguments, and properly document sources according to professional standards.

- Knowledge of Technology: Display knowledge of technologies that support both written and oral communication.
- Degree Program Writing Competency - Understanding of the Writing Process : Understand the writing process to communicate ideas effectively to a variety of audiences.

RELATED LINKS

English Literature - Language and Literature, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/english-language-and-literature/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major/Concentration Requirements		39
Electives		39

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		

SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above
- Students pursuing a B.S. in Secondary Education must take this course option to fulfill NCATE and PDE requirements: ENGL 204, ENGL 305, ENGL 307, ENGL 328 (by advisement for Ed. Majors).
- Students pursuing a B.A. in Language and Literature without the B.S. in Secondary Education may take the other designated courses in lieu of these. For electives, choose from among: ENGL 248 (Eastern Lit), ENGL 298 (Selected Topics), ENGL 311 (Chaucer), ENGL 410 (Lit of the Env), a course listed above that you have not already taken, or another course approved by your adviser and the department chair.

Code	Title	Hours
Required Courses		
ENGL 204	Composition and Rhetoric ¹	3

or ENGL 220	Introduction to Literary and Cultural Studies	
ENGL 312	Introduction to Shakespeare ¹	3
or ENGL 389	Stratford Shakespeare Tour	
ENGL 317	British Literature I ¹	3
ENGL 318	British Literature II ¹	3
ENGL 319	American Literature I ¹	3
ENGL 320	American Literature II ¹	3
ENGL 402	World Literature ¹	3
ENGL 403	Literary and Cultural Theory ¹	3
Subtotal		24
Required English Courses		
Select two of the following:		6
ENGL 230	Introduction to Linguistics and Grammar ¹	
ENGL 311	Chaucer and Medieval Culture ¹	
ENGL 331	Historical Development of the English Language ¹	
ENGL 332	Modern English Grammar and Syntax ¹	
Subtotal		6
Required English Literature Course		
Select one of the following:		3
ENGL 242	African-American Literature ¹	
ENGL 243	Literature of the Women's Movement ¹	
ENGL 244	Native American Literature ¹	
ENGL 246	U.S. Latino/a Literatures ¹	
ENGL 248	Asian Literature ¹	
Subtotal		3
Electives		
Select any two English courses: ²		6
Subtotal		6
Total Hours		39

¹ Course counts for 50% of Major requirements and Major GPA

² Except for ENGL 102

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term) locations such as Italy, London and Canada
2. Student-faculty research
3. Career education and development
4. Internships
5. Community services experience through the national Writing in Schools program
6. Volunteer experience in literary magazine production

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

English Literature - BA (5 25)

Concentration in Language and Literature (LLIT)

This program is effective as of Fall 2019

Revised 09.22.2025

UCC RISP 2019

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 117	Quantitative Reasoning	3
MODL 101	Modern Language Requirement	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
ENGL 104	Critical Reading	3
MODL 102	Modern Language Requirement	3
SCI 101	Science of Life	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
Select one English Elective ²		3
ENGL 220	Introduction to Literary and Cultural Studies (Inquiry) ³	3
MODL 103	Modern Language Requirement	3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19) ⁴		3
Declare a Thematic Thread ¹⁰		
Hours		15
Spring		
Select one English Elective ²		3
ENGL 242	African-American Literature ⁵	3
or ENGL 248	or Asian Literature	
ENGL 204	Composition and Rhetoric ⁴	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Third Year**Fall**

Select one of the following:	3
ENGL 243 Literature of the Women's Movement	
ENGL 244 Native American Literature	
ENGL 246 U.S. Latino/a Literatures ⁶	
ENGL 317 British Literature I	3
ENGL 331 Historical Development of the English Language ⁷	3
Thematic Thread Requirement (p. 19)	3
Course in other department/minor	3

Hours 15

Spring

ENGL 312 Introduction to Shakespeare	3
ENGL 318 British Literature II	3
ENGL 332 Modern English Grammar and Syntax ⁸	3
Thematic Thread Requirement (p. 19)	3
Course in other department/minor	3

Hours 15

Fourth Year**Fall**

ENGL 319 American Literature I	3
ENGL 402 World Literature	3
Elective	3
Course in other department/minor	3
Course in other department/minor	3

Hours 15

Spring

ENGL 320 American Literature II	3
Select one of the following:	3
ENGL 403 Literary and Cultural Theory	
ENGL Elective ⁹	

Select one of the following: 3

ENGL Elective ²	

ENGL 410 Literature of the Environment

Another course approved by your adviser & dept. chair

Course in other department/minor 3

Course in other department/minor 3

Hours 15

Total Hours** 121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Must complete two courses from the following: ENGL 230, ENGL 311, ENGL 331, ENGL 332

³ IF not selecting ENGL 204 Comp and Rhetoric.

⁴ Take only if not selecting ENGL 220.

⁵ If not taking ENGL 243, ENGL 244, or ENGL 246.

⁶ If not taking ENGL 242 or ENGL 248.

⁷ If not taking ENGL 332.

⁸ If not taking ENGL 331.

⁹ ENGL 328, ENGL 410

¹⁰ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 25

Concentration Code: LLIT

Revised date: 09.24.2025

English Literature, Bachelor of Arts (BA) - Concentration in Literary, Film, and Cultural Studies

PROGRAM LEARNING OUTCOMES

- Interact with Diverse Literary Forms: display knowledge of discipline specific content and generate knowledge through written and oral interaction with diverse* literary forms and cultural contexts. (*where diverse means multiple genres) (UO: 2, 5, 6)
- Methods of Discipline Specific Analysis: Apply principle methods of discipline specific analysis, understand the theoretical constructs and basic assumptions that guide criticism (UO4, 6, 8)
- Literature and Language as Cultural Expressions: Articulate how literature and language, as cultural expressions, respond to and record the value systems of diverse* cultures and human experiences. (*where diverse means many aspects of human identity) (UO: 5,7, 9)

UNIVERSAL LEARNING OUTCOMES

- Research Tools and Resources: use the research tools and resources of the profession to effectively interpret arguments and properly document sources per professional standards (UO: 3, 8)
- Knowledge of Technology: display knowledge of technologies that support both written and oral communication (UO: 10)
- Degree Program Writing Competency: understand the writing process to communicate ideas effectively to a variety of audiences (UO: 1,2)

RELATED LINKS

English Literature - Literary, Film, and Cultural Studies, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/english-literary-film-and-cultural-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	39
	Electives	39

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR/CONCENTRATION REQUIREMENTS

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Required English Courses		
ENGL 214	Introduction to Film Analysis ¹	3
ENGL 220	Introduction to Literary and Cultural Studies ¹	3
ENGL 403	Literary and Cultural Theory ¹	3
Interpreting Literary Traditions		6
Select two of the following:		
ENGL 312	Introduction to Shakespeare ¹	
or ENGL 389 Stratford Shakespeare Tour		
ENGL 317	British Literature I ¹	
ENGL 318	British Literature II ¹	
ENGL 319	American Literature I ¹	
ENGL 320	American Literature II ¹	
Interpreting Culture & Environments		6
Select two of the following:		
ENGL 238	Video Games as Literature	
ENGL 243	Literature of the Women's Movement ¹	
ENGL 298	Selected Topics ^{1,2}	
ENGL 311	Chaucer and Medieval Culture ¹	
ENGL 328	Young Adult Literature ¹	
ENGL 410	Literature of the Environment ¹	
Interpreting Film		6
Select two of the following:		
ENGL 298	Selected Topics ^{1,3}	
ENGL 300	Queer Literature and Film	

ENGL 314	European Film ¹
ENGL 316	Asian Film ¹
ENGL 498	Selected Topics ^{1,4}
JAPN 330	Samurai Culture Through Film
Interpreting Diverse Texts	
6	
Select two from the following:	
ENGL 242	African-American Literature ¹
ENGL 244	Native American Literature ¹
ENGL 246	U.S. Latino/a Literatures ¹
ENGL 248	Asian Literature ¹
ENGL 300	Queer Literature and Film ¹
ENGL 402	World Literature ¹
Writing Culture	
3	
Select one of the following:	
ENGL 205	Introduction to Professional Writing
ENGL 225	Introduction to Creative Writing
ENGL 307	Writing About Electronic Media and Film ¹
ENGL 315	The Cinematic Review: Historical and Critical Writing ¹
ENGL 339	Creative Writing: Fiction ¹
ENGL 349	Creative Writing:Screenplay
Capstone Experience Requirement	
3	
ENGL 409	Professional English ¹
ENGL 450	Internship ¹
Total Hours	
39	

¹ Course counts for 50% of Major requirements and Major GPA

² Select Interpreting Culture and Environment ENGL 298 topics from:

- Apocalyptic Literature
- Literary Pirates
- Nobel and Pulitzer Literature
- Dante and Our Journeys

³ Select Interpreting Film Block ENGL 298 topic:

- American Drama to Film

⁴ Select Interpreting Film Block ENGL 298 topic:

- Alfred Hitchcock and His Imitators

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

CO-CURRICULAR AND EXPERIENTIAL LEARNING

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term) locations such as Italy, London and Canada
2. Student-faculty research
3. Career education and development
4. Internships

5. Community services experience through the national Writing in Schools program
6. Volunteer experience in literary magazine production

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

English Literature - BA (5 25)
Concentration in Literary, Film, and Cultural Studies (LTSC)
This program is effective as of Summer 2024
Revised 09.22.2025
UCC: 03.19.2024

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 117	Quantitative Reasoning	3
Modern Language I		3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
ENGL 104	Critical Reading	3
Modern Language II		3
SCI 101	Science of Life (Humanities Inquiry (p. 19))	3
Creative & Aesthetic Inquiry (p. 19)		3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ENGL 220	Introduction to Literary and Cultural Studies (Inquiry)	3
ENGL 298	Selected Topics	3
Modern Language III		3
SCI 102	Understanding the Physical World	3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ⁸		
Hours		15

Spring

Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Course in other department/minor or elective	3
Select one of the following:	3
ENGL 230 Introduction to Linguistics and Grammar ²	
ENGL 242 African-American Literature	
ENGL Elective	
Hours	15

Third Year**Fall**

ENGL 311 Chaucer and Medieval Culture	3
or ENGL 317 or British Literature I	
or ENGL 319 or American Literature I	
ENGL 242 African-American Literature	3
or ENGL 244 or Native American Literature	
or ENGL 246 or U.S. Latino/a Literatures	
Select one of the following:	3
ENGL 331 Historical Development of the English Language ³	
ENGL Elective ⁴	
Thematic Thread Requirement (p. 19)	3
Course in other department/minor	3
Hours	15

Spring

ENGL 214 Introduction to Film Analysis	3
Select one of the following:	3
ENGL 312 Introduction to Shakespeare	
ENGL 318 British Literature II	
ENGL 389 Stratford Shakespeare Tour	
ENGL 320 American Literature II	3
or ENGL 242 or African-American Literature	
Select one of the following:	3
ENGL 332 Modern English Grammar and Syntax ⁵	
ENGL Elective ⁶	
Course in other department/minor	3
Hours	15

Fourth Year**Fall**

ENGL 402 World Literature	3
ENGL 409 Professional English	3
Course in other department/minor	3
Select one of the following:	3
ENGL 403 Literary and Cultural Theory	
ENGL Elective ⁴	
Select one of the following:	3
ENGL 307 Writing About Electronic Media and Film	
ENGL 314 European Film	
ENGL 316 Asian Film	
Hours	15

Spring

Select one of the following:	3

ENGL 328 Young Adult Literature	
ENGL 410 Literature of the Environment	
Select one of the following:	3
ENGL 403 Literary and Cultural Theory	
ENGL Elective ⁷	
Select one of the following:	3
ENGL 205 Introduction to Professional Writing	
ENGL 225 Introduction to Creative Writing	
ENGL 315 The Cinematic Review: Historical and Critical Writing	
ENGL 339 Creative Writing: Fiction	
Course in other department/minor	3
Course in other department/minor	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² If not taking ENGL 331 or ENGL 332.

³ If not taking ENGL 230 or ENGL 332.

⁴ ENGL 243, ENGL 248, ENGL 298

⁵ If not taking ENGL 230 or ENGL 331.

⁶ ENGL 242, ENGL 298, ENGL 328, ENGL 410.

⁷ ENGL 328, ENGL 410

⁸ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 25

Concentration Code: LTSC

Revised: 09.24.2025

English Writing, Bachelor of Science (BS) - Concentration in Creative Writing

Program Learning Outcomes

- Development of Research Strategies: Develop strategies for research and integrating the results of this research into various creative texts.
- Knowledge of Traditional and Contemporary Techniques: Produce texts that will demonstrate knowledge of traditional and contemporary/experimental techniques in various creative writing genres.
- Demonstrate Proficiency in Manuscript Preparation: Produce texts that will demonstrate a proficiency in preparing manuscripts in various genres for submission for print and electronic publications.

Universal Program Outcomes

- Research Tools and Resources: Use the research tools and resources of the profession, integrate them effectively into interpretive

- arguments, and properly document sources according to professional standards.
- Knowledge of Technology: Display knowledge of technologies that support both written and oral communication.
 - Degree Program Writing Competency - Understanding of the Writing Process : Understand the writing process to communicate ideas effectively to a variety of audiences.

RELATED LINKS

English Writing - Creative Writing, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/english-creative-writing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		45
Electives		33

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		

SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 23 major credits must be taken at SRU or PASSHE
- 23 major credits must be taken at the 300 level or above
- Fifteen credits are required in the same course prefix **other** than ENGL (e.g., HIST, SPAN, ART, PHIL, CPSC, etc.) or a minor or certificate or a major in a subject **other** than ENGL (15 credits) – Refer to My Rock Audit

Code	Title	Hours
Writing Workshops: Required English Courses		
ENGL 205	Introduction to Professional Writing ¹	3
ENGL 225	Introduction to Creative Writing ¹	3
ENGL 330	Literary Publications & Design ¹	3
ENGL 334	Writing Community Stories ¹	3
ENGL 338	Creative Writing: Creative Nonfiction ¹	3
ENGL 339	Creative Writing: Fiction ¹	3
ENGL 340	Creative Writing: Poetry ¹	3
ENGL 346	Writing the Graphic Novel ¹	3
ENGL 429	Grant and Proposal Writing ¹	3
Subtotal		27
Writing and Theory		
Select one of the following:		3
ENGL 204	Composition and Rhetoric ¹	

ENGL 307	Writing About Electronic Media and Film ¹	
ENGL 327	Healthcare Writing ¹	
ENGL 335	Writing for Video Games ¹	
ENGL 349	Creative Writing:Screenplay	
Subtotal		3
Literature Courses		
Select three of the following:		9
ENGL 312 or ENGL 389	Introduction to Shakespeare ¹ Stratford Shakespeare Tour	
ENGL 242	African-American Literature ¹	
ENGL 243	Literature of the Women's Movement ¹	
ENGL 244	Native American Literature ¹	
ENGL 246	U.S. Latino/a Literatures ¹	
ENGL 248	Asian Literature ¹	
ENGL 298	Selected Topics ^{1,2}	
ENGL 311	Chaucer and Medieval Culture ¹	
ENGL 317	British Literature I ¹	
ENGL 318	British Literature II ¹	
ENGL 319	American Literature I ¹	
ENGL 320	American Literature II ¹	
ENGL 328	Young Adult Literature ¹	
ENGL 402	World Literature ¹	
ENGL 410	Literature of the Environment ¹	
Subtotal		9
Capstone Experience – Part I		
ENGL 409	Professional English ¹	3
Subtotal		3
Capstone Experience – Part II		
Select one of the following options:		3
<i>Option 1 - If below a 3.0 Overall GPA</i>		
Select one additional literature course from the Required Literature Course listing above		
<i>Option 2 - If at a 3.0 or above Overall GPA</i>		
Select one of the following:		
One additional literature course from the Required Literature Course from the listing above		
ENGL 491	Senior Writing Project ¹	
Subtotal		3
Total Hours		45

¹ Course counts for 50% of Major requirements and Major GPA

² May be taken twice as different topics.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term) locations such as Italy, London and Canada

2. Student-faculty research
3. Career education and development
4. Internships
5. Community services experience through the national Writing in Schools program
6. Volunteer experience in literary magazine production

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENGLISH WRITING - BS (5120)

Concentration in Creative Writing - (CREA)

This program is effective as of Summer 2021

Revised 09.22.2025

UCC 09.01.2020

RECOMMENDED FOUR-YEAR PLAN

Student pursuing a B.S. in English - Creative Writing must also complete 15 credits hours or more outside the English Department in a sequence from one department, or of a minor or major, in a subject other than English. The selection of outside courses must be approved by the student's English adviser and by the Chair of the English Department

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
ENGL 104	Critical Reading	3
ART 105	Basic Studio Drawing	3
SCI 102	Understanding the Physical World	3
Humanities Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
ENGL 205	Introduction to Professional Writing	3
ENGL 225	Introduction to Creative Writing	3

Select one of the following:	3
ENGL 243 Literature of the Women's Movement ²	
ENGL 244 Native American Literature ²	
ENGL 246 U.S. Latino/a Literatures ³	
ENGL 298 Selected Topics	
Course in other department/thematic thread	3
Thematic Thread Requirement (p. 19)	3
Declare a Thematic Thread ⁶	
Hours	15

Spring

Course in another department/thematic thread	3
ENGL 339 Creative Writing: Fiction	3
Select one of the following:	3
ENGL 242 African-American Literature ⁴	
ENGL 248 Asian Literature ⁵	
ENGL 300 Queer Literature and Film ⁵	
ENGL 312 Introduction to Shakespeare	
Select one of the following:	3
ENGL 204 Composition and Rhetoric ⁶	
ENGL 327 Healthcare Writing	
ENGL 335 Writing for Video Games ⁵	
Thematic Thread Requirement (p. 19)	3
Hours	15

Third Year**Fall**

ENGL 334 Writing Community Stories	3
Course in another department/thematic thread	3
Select two of the following:	6
ENGL 307 Writing About Electronic Media and Film (if needed or select course in another department/thematic thread)	
ENGL 338 Creative Writing: Creative Nonfiction ⁶	
ENGL 340 Creative Writing: Poetry ⁷	
Select one of the following:	3
ENGL 243 Literature of the Women's Movement ²	
ENGL 244 Native American Literature ²	
ENGL 246 U.S. Latino/a Literatures ³	
ENGL 298 Selected Topics	
ENGL 311 Chaucer and Medieval Culture ³	
ENGL 317 British Literature I	
ENGL 319 American Literature I	
ENGL 402 World Literature	
Hours	15

Spring

ENGL 330 Literary Publications & Design (if not taking semester 8) ⁴	3
ENGL 346 Writing the Graphic Novel (if not taking semester 8) ⁴	3
ENGL 429 Grant and Proposal Writing (if not taking semester 8) ⁴	3
Select one of the following:	3
ENGL 242 African-American Literature ⁴	
ENGL 248 Asian Literature ⁵	

ENGL 300 Queer Literature and Film	
ENGL 312 Introduction to Shakespeare	
Course in another department/thematic Thread	3
Hours	15

Fourth Year**Fall**

Select one of the following:	3
ENGL 334 Writing Community Stories	
Course in another department/thematic thread	
ENGL 409 Professional English	3
ENGL 491 Senior Writing Project (or additional Literature course)	3
Select one of the following:	3
ENGL 338 Creative Writing: Creative Nonfiction ⁶	
ENGL 340 Creative Writing: Poetry ⁷	
Course in other department/thematic thread	3
Hours	15

Spring

ENGL 330 Literary Publications & Design (if not taking semester 6) ⁴	3
ENGL 346 Writing the Graphic Novel ⁴	3
ENGL 429 Grant and Proposal Writing ⁴	3
ENGL 491 Senior Writing Project (or additional Literature course) ⁷	3
Course in other department/thematic thread	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Offered even numbered fall term.

³ Offered odd numbered fall term.

⁴ Offered even numbered spring term.

⁵ Offered even number spring term

⁶ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁷ Select additional Literature course from the following: ENGL 242 (offered odd numbered spring term), ENGL 248 (offered even number spring term), ENGL 300, or ENGL 312.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5120
Concentration Code: CREA
Revised date: 09.24.2025

English Writing, Bachelor of Science (BS) - Concentration in Professional Writing

Program Learning Outcomes

- Production of Problem Solving Documents: Produce documents that solve problems relevant to professional and organizational contexts.
- Document Adaptation: Adapt documents to different rhetorical contexts.
- Evaluation of Rhetorical Values: Evaluate the rhetorical values of technical writing using the theory and scholarship of technical and professional communication.
- Application of Technical Editing Principles: Apply principles of technical editing for document development, publication, and use.

Universal Program Outcomes

- Research Tools and Resources: Use the research tools and resources of the profession, integrate them effectively into interpretive arguments, and properly document sources according to professional standards.
- Knowledge of Technology: Display knowledge of technologies that support both written and oral communication.
- Degree Program Writing Competency - Understanding of the Writing Process : Understand the writing process to communicate ideas effectively to a variety of audiences.

RELATED LINKS

English Writing - Professional Writing, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/english-professional-writing/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		45
Electives		33

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3

MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ² 12

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 23 major credits must be taken at SRU or PASSHE
- 23 major credits must be taken at the 300 level or above

- Fifteen credits are required outside the English department from one department or a minor or certificate or a major in a subject other than English – Refer to My Rock Audit

- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Code	Title	Hours
Required Concentration Courses		
ENGL 204	Composition and Rhetoric ¹	3
ENGL 205	Introduction to Professional Writing ¹	3
ENGL 225	Introduction to Creative Writing ¹	3
ENGL 327	Healthcare Writing ¹	3
ENGL 330	Literary Publications & Design ¹	3
ENGL 334	Writing Community Stories	3
ENGL 335	Writing for Video Games	3
ENGL 365	Writing for the World Wide Web ¹	3
ENGL 429	Grant and Proposal Writing	3
Subtotal		27
Required Internship		
ENGL 450	Internship ¹	3
Subtotal		3
Required Language and Literature Course		
ENGL 403	Literary and Cultural Theory ¹	3
Subtotal		3
Required Language and Literature Courses		
Select two of the following:		6
ENGL 312	Introduction to Shakespeare ¹	
or ENGL 389	Stratford Shakespeare Tour	
ENGL 242	African-American Literature ¹	
ENGL 243	Literature of the Women's Movement ¹	
ENGL 244	Native American Literature ¹	
ENGL 246	U.S. Latino/a Literatures ¹	
ENGL 248	Asian Literature ¹	
ENGL 298	Selected Topics ¹	
ENGL 311	Chaucer and Medieval Culture ¹	
ENGL 317	British Literature I ¹	
ENGL 318	British Literature II ¹	
ENGL 319	American Literature I ¹	
ENGL 320	American Literature II ¹	
ENGL 402	World Literature ¹	
ENGL 410	Literature of the Environment	
Subtotal		6
Required Language and Literature Courses		
Select one of the following:		3
ENGL 230	Introduction to Linguistics and Grammar ¹	
ENGL 331	Historical Development of the English Language ¹	
ENGL 332	Modern English Grammar and Syntax ¹	
Subtotal		3
Required Capstone Experience (only offered in Spring)		
ENGL 409	Professional English	3
Subtotal		3
Total Hours		45

¹ Course counts for 50% of Major requirements and Major GPA

² May be taken twice as different topics.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term) locations such as Italy, London and Canada
2. Student-faculty research
3. Career education and development
4. Internships
5. Community services experience through the national Writing in Schools program
6. Volunteer experience in literary magazine production

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ENGLISH WRITING - BS (5120)

Concentration in Professional (PROF)

This program is effective as of Summer 2021

Revised 09.22.2025

UCC: 09.01.2020

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MATH 117	Quantitative Reasoning	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		16
Spring		
ENGL 104	Critical Reading	3
ENGL 204	Composition and Rhetoric	3
ENGL 225	Introduction to Creative Writing	3
SCI 101	Science of Life	3

Humanities Inquiry (p. 19)	3
Hours	15
Second Year	
Fall	
ENGL 205 Introduction to Professional Writing	3
SCI 102 Understanding the Physical World	3
Select one of the following:	3
ENGL 243 Literature of the Women's Movement	
ENGL 244 Native American Literature	
ENGL 246 U.S. Latino/a Literatures	
ENGL 298 Selected Topics	
Course in other department/minor	
Social Science Inquiry (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Declare a Thematic Thread ⁸	
Hours	15
Spring	
ENGL 230 Introduction to Linguistics and Grammar ²	3
Select one of the following:	3
ENGL 242 African-American Literature	
ENGL 248 Asian Literature ³	
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Hours	15
Third Year	
Fall	
ENGL 334 Writing Community Stories	3
Select one of the following:	3
ENGL 298 Selected Topics	
ENGL 311 Chaucer and Medieval Culture	
ENGL 317 British Literature I	
ENGL 319 American Literature I	
ENGL 402 World Literature	
Select one of the following:	3
ENGL 331 Historical Development of the English Language ⁴	
Course in other department/minor	
ENGL 365 Writing for the World Wide Web	3
Course in other department/minor	3
Hours	15
Spring	
ENGL 335 Writing for Video Games	3
Select one of the following:	3
ENGL 298 Selected Topics	
ENGL 312 Introduction to Shakespeare	
ENGL 318 British Literature II	
ENGL 320 American Literature II ⁵	
Select one of the following:	3
ENGL 230 Introduction to Linguistics and Grammar	
ENGL 332 Modern English Grammar and Syntax ⁶	
Course in other department/minor	

ENGL 327 Healthcare Writing	3
or ENGL 429 or Grant and Proposal Writing	
ENGL 330 Literary Publications & Design (every other spring)	3
Hours	15
Fourth Year	
Fall	
ENGL 409 Professional English	3
Select one of the following:	3
ENGL 403 Literary and Cultural Theory	
ENGL Elective ⁷	
ENGL 450 Internship	3
Course in other department/minor	3
Course in other department/minor	3
Hours	15
Spring	
ENGL 327 Healthcare Writing	3
or ENGL 429 or Grant and Proposal Writing	
Select one of the following:	3
ENGL 403 Literary and Cultural Theory	
ENGL Elective Course ⁸	
ENGL 450 Internship	3
ENGL 330 Literary Publications & Design (every other spring)	3
Course in other department/minor	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² If not taking ENGL 331 or ENGL 332

³ If not taking ENGL 243, ENGL 244, ENGL 246, or ENGL 298 in semester 3.

⁴ If not taking ENGL 230 or ENGL 332.

⁵ If not taking ENGL 298, ENGL 311, ENGL 317, ENGL 319, or ENGL 402 in semester 5

⁶ If not taking ENGL 331.

⁷ ENGL 243, ENGL 248, ENGL 298

⁸ ENGL 328, ENGL 410

⁹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5120

Concentration Code: PROF

Revised date: 09.24.2025

Film and Media Studies, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required courses		
ENGL 214	Introduction to Film Analysis	3
ENGL 307	Writing About Electronic Media and Film	3
ENGL 315	The Cinematic Review: Historical and Critical Writing	3
Electives		
Select three of the following, at least one at 300-level or higher:		9
ART 214	Intermediate Studio Digital Media	
ART 300	Art Seminar	
ART 314	Advanced Studio Digital Media	
ART 315	Master Studio	
ART 414	Senior Studio Digital Media	
COMM 201	Digital Imaging	
COMM 248	Interactive Multimedia 1	
COMM 254	Video Production	
COMM 258	Interactive Multimedia 2	
COMM 347	New-Media Journalism	
COMM 350	Editing for Video	
COMM 355	Video Field Production	
COMM 359	Interactive Multimedia 3	
COMM 458	Media Criticism	
ENGL 314	European Film	
ENGL 316	Asian Film	
ENGL 349	Creative Writing:Screenplay	
ENGL 498	Selected Topics	
HIST 498	Selected Topics	
POLI 333	The Political Film	
INDP 310	Cultural Area Studies	
RUSS 305	Russian Civilization via Film	
SPAN 307	U.S. Latino Cultures	
Pittsburgh Filmmakers Production or Analysis Course (with English Department Chair approval)		
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN FILM AND MEDIA STUDIES (24D)

This program is effective as of Fall 2015

Revised 09.22.2025

Literature, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
ENGL 220	Introduction to Literary and Cultural Studies	3
ENGL 312	Introduction to Shakespeare	3
or ENGL 317	British Literature I	
or ENGL 318	British Literature II	
or ENGL 389	Stratford Shakespeare Tour	
ENGL 319	American Literature I	3
or ENGL 320	American Literature II	
Select two of the following:		6
ENGL 238	Video Games as Literature	
ENGL 242	African-American Literature	
ENGL 243	Literature of the Women's Movement	
ENGL 244	Native American Literature	
ENGL 246	U.S. Latino/a Literatures	
ENGL 248	Asian Literature	
ENGL 298	Selected Topics	
ENGL 300	Queer Literature and Film	
ENGL 311	Chaucer and Medieval Culture	
ENGL 328	Young Adult Literature	

ENGL 402	World Literature
ENGL 403	Literary and Cultural Theory
ENGL 410	Literature of the Environment
English Electives	
Select one ENGL course ¹	3
Total Hours	18

¹ Excluding ENGL 102

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN LITERATURE (24A)

This program is effective as of Fall 2022

Revised 02.21.2022

UCC 09.21.2021

Writing, Minor

PROGRAM LEARNING OUTCOMES

- Production of Problem Solving Documents - Produce documents that solve problems relevant to professional and organizational contexts (U01, U02, U04, U06, U07, U08, U09, U010).
- Development of Research Strategies - Develop strategies for research and integrating the results of this research into various creative texts (U01, U02, U03, U04, U06, U07, U08).
- Document Adaptation - Adapt documents to different rhetorical contexts (U01, U02, U08, U010).
- Evaluation of Rhetorical Values - Evaluate the rhetorical values of writing using the theory and scholarship of technical, professional, and creative writing (U01, U02, U05, U06, U07, U08, U09, U010).

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
Select five of the following:		15
ENGL 204	Composition and Rhetoric	
ENGL 205	Introduction to Professional Writing	
ENGL 225	Introduction to Creative Writing	
ENGL 230	Introduction to Linguistics and Grammar	
ENGL 235	Writing for Non-Print Media	
ENGL 305	Practicum: Teaching Writing	
ENGL 307	Writing About Electronic Media and Film	
ENGL 327	Healthcare Writing	
ENGL 330	Literary Publications & Design	
ENGL 331	Historical Development of the English Language	
ENGL 332	Modern English Grammar and Syntax	
ENGL 334	Writing Community Stories	
ENGL 335	Writing for Video Games	
ENGL 338	Creative Writing: Creative Nonfiction	
ENGL 339	Creative Writing: Fiction	
ENGL 340	Creative Writing: Poetry	
ENGL 346	Writing the Graphic Novel	
ENGL 349	Creative Writing: Screenplay	
ENGL 365	Writing for the World Wide Web	
ENGL 429	Grant and Proposal Writing	
English Electives		
Select one additional ENGL course ¹		3
Total Hours		18

¹ Excluding ENGL 102, ENGL 104. Max 3 credits in ENGL 450.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN WRITING (24B)

This program is effective as of Summer 2023

Revised 04.14.23

UCC 02.14.23

Gender Studies

Programs

Majors

- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Gender and Diversity Studies (p. 672)

Minors

- Gender Studies, Minor (p. 672)

Gender Studies, Minor

he Gender Studies Program takes an interdisciplinary approach to teaching and learning, with courses in numerous departments: English, EGEO, Psychology, History, and Political Science, among others. Relevant to all majors, a minor in Gender Studies prepares students both to interact in a diverse and increasingly global professional world and to understand how our embodied experiences, while personal and individual, are also culturally shaped. In Gender Studies courses, students analyze power structures, gender identities, and culture to promote social change.

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

- Enhance critical thinking to understanding systemic issues (U02).
- Develop understandings of diversity and systemic equity issues on a transnational basis (U09).

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.0 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Course:		
GNDR 115	Introduction to Gender Studies	3
Electives		
Select five of the following; six credits must be taken at the 300 or 400 level:		15
EVGE 368	Women in Science	
ENGL 243	Literature of the Women's Movement	
GERT 425	Women and Aging	
GES 105	World Regional Geography	
GES 361	Gender and the Environment	
GNDR 120	Introduction to the Study of Masculinities	
GNDR 280	Introduction to Disability Studies	

GNDR 340	Applied Queer Studies
GNDR 400	Gender Studies and Porn Culture
GNDR 415	Feminist Perspectives in the Disciplines
GNDR 450	Gender Studies Internship
GNDR 490	Independent Study
HIST 313	U.S. Manhood and Masculinities
HIST 318	Gender and Sexuality in European Society
HIST 319	History of Women to 1750
HLTH 211	Women's Health Issues
INDP 339	Gender Roles and Society
INDP 360	Issues in Asia; Women in Asian Societies
MUSI 301	Women and Music
PHIL 336	Philosophy of Gender and Sex
POLI 349	Utopian Experiments: Issues of Gender and Power
POLI 356	Gay and Lesbian Politics
POLI 375	Women and Politics
PSYC 300	Psychology of Women, Gender and Culture
PSYC 315	Psychology of Sexual and Gender Diversity
SPAN 335	Women in Hispanic Literature
Total Hours	
Total Hours	
18	

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GENDER STUDIES (98E)
This program is effective as of Summer 2023
Revised 09.22.2025
UCC 04.18.2023

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Gender and Diversity Studies

Gender is political. It's cultural. It's complex. Whether we recognize it or not, we experience, reinforce and disrupt social expectations about masculinity, femininity, sex, sexuality, and sexual identities every day. A host of other identity categories (age, race, ability and disability, size, ethnicity, and class, among others) also contribute to how we experience "gender."

SRU offers a concentration in Gender and Diversity Studies in the department of Nonprofit Management, Empowerment and Diversity Studies and a minor in Gender Studies that explores these intersections and analyzes the messy but also fascinating concepts of gender and diversity within a social justice context. Both the major and minor are interdisciplinary, pulling from courses and departments from across the university, and thus both complement and enrich every major and minor. One question we're often asked is whether or not men can or should adopt the major or the minor. Absolutely!

The major and minor enhance every field, from Psychology to Education to Management and Marketing to Biology. Knowing more about how to navigate and better understand diversity in a respectful way not only contributes to future professional and graduate study success but helps make our world a kinder, more inclusive and equitable place.

PROGRAM LEARNING OUTCOMES

- Enhance critical thinking to understanding systemic issues (U02)
- Develop understandings of diversity and systemic equity issues on a transnational basis (UO 9)

RELATED LINKS

Interdisciplinary Programs - Gender and Diversity Studies, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/gender-and-diversity-studies-interdisciplinary-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		42
Electives		36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Science Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
GNDR 115	Introduction to Gender Studies ¹	3
INDP 499	Capstone: Applied Interdisciplinary Studies ¹	3
<i>Interpersonal Skills and Civic Responsibility</i>		
Select six credits from the following and by advisement:		6
ENGL 242	African-American Literature ¹	
ENGL 244	Native American Literature ¹	
ENGL 248	Asian Literature ¹	
GNDR 120	Introduction to the Study of Masculinities ¹	
HLTH 211	Women's Health Issues ¹	
INDP 339	Gender Roles and Society ¹	
PHIL 140	World Religions ¹	
PHIL 336	Philosophy of Gender and Sex ¹	
POLI 356	Gay and Lesbian Politics ¹	
PSYC 240	Human Sexual Behavior ¹	
Approved Course		
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select nine credits from the following and by advisement:		9
GNDR 415	Feminist Perspectives in the Disciplines ¹	
INDP 102	Introduction to Interdisciplinary Studies ¹	
INDP 318	Research Methods in Interdisciplinary Studies ¹	
DEPT XXX	Departmental Approved Course	
Subtotal		21
Emphasis Area		
<i>Primary Emphasis – Gender or Diversity</i>		
Select 21 credits in the following categories (by advisement):		21
Foundations		
Culture and Society		
History		
Current Issues		
Experiential Learning Activities		
Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.		
Total Hours		42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects

4. Internships

5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)

Concentration in Gender and Diversity Studies (GNDR)

This program is effective as of Summer 2023

Revised 09.22.2025

UCC 04.18.2023

History

Programs

Majors

- History, Bachelor of Arts (BA) (p. 676)

Minors

- European History, Minor (p. 675)
- General History, Minor (p. 676)
- Non-Western History, Minor (p. 680)
- United States History, Minor (p. 680)

Certificates

- Applied History, Certificate (p. 674)

Applied History, Certificate

The job market in public history and historical tourism is growing rapidly. This is most easily seen in the emergence of specialized museums and living history centers, but also as a growing component of governmental services, including the national parks service and census bureau, local and state public space development and, most recently, through interactive web and app development. These occupations demand individuals who have an understanding of how to develop and apply historical knowledge and data in new and innovative ways. This certificate is specifically designed to provide students a foundation in the interaction between history and public consumption that will improve opportunities for employment.

For more information, please contact: Dr. Aaron Cowan

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Applied History, Certificate Program Page (<https://www.sru.edu/academics/certificates/applied-history-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
<i>Public History</i>		
Required Course:		3
HIST 343	Public History	
<i>Applied History One</i>		
Select one of the following:		3
HIST 411	Digital History	
HIST 445	Americans and the Environment	
HIST 450	History Internship	
<i>Applied History Two</i>		
Select two of the following:		6
HIST 323	African American History to 1876	
HIST 324	African American History Since 1876	
HIST 337	Native American History	
HIST 344	The American City	
HIST 350	The American Civil War	
HIST 371	History of Jews	
HIST 437	The American West	
HIST 445	Americans and the Environment	
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Historical Competency

Students must demonstrate historical competency through successfully completing 6 credits prior to declaring the Letter of Completion in Applied History:

Code	Title	Hours
Select one of the following:		
HIST 151	Ancient World to the Age of Global Encounters	3
HIST 152	Early Modern to Contemporary World	
Select one of the following:		
HIST 201	Colonial US to the Civil War Era	3
HIST 202	US Civil War Era to Present	
or the equivalent as determined by the History Department		

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN APPLIED HISTORY (5AHS)

Revised 06.29.2022

European History, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
Select two of the following:		6
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
Select four of the following:		12
HIST 305	Russia to 1855	
HIST 306	Russia Since 1855	
HIST 318	Gender and Sexuality in European Society	
HIST 319	History of Women to 1750	
HIST 331	England to 1689	
HIST 332	Britain Since 1689	
HIST 333	Medieval Church	
HIST 346	Rise of Imperial Britain	
HIST 347	Twentieth Century British Culture	
HIST 364	History of Medicine	
HIST 404	Violence in Post-45 Europe	
HIST 422	Ancient Greece	
HIST 423	Ancient Rome	
HIST 424	The Middle Ages	
HIST 426	French Revolution and Napoleon	
HIST 427	Nineteenth Century Europe	
HIST 454	Research and Writing Seminar	

HIST 464	The Scientific Revolution of the 17th and 18th Centuries
Total Hours	18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN EUROPEAN HISTORY (44C)

This program is effective as of Summer 2022

UCC 03.01.2022

Revised 05.31.2022

General History, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
Select three 100 & 200 level HIST courses		9
Select three 300 level or above HIST courses		9
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN GENERAL HISTORY (44A)

This program is effective as of Fall 2003

Revised 8-2019

History, Bachelor of Arts (BA)

Program Learning Outcomes

- **COMMUNICATION:** including speech and writing, using appropriate sources of information and various presentation formats. Links to University Outcome #1
 - able to develop & present a thesis effectively in either oral or written form
 - able to organize legitimate supporting materials in a comprehensible way
 - able to create a persuasive written argument
 - able to speak clearly on a topic
- **CRITICAL THINKING:** locate, analyze, synthesize and evaluate information and ideas from multiple perspectives. Links to University Outcomes #2 and #3.
 - able to interpret the meaning of historical texts
 - able to identify an author's thesis
 - able to identify key points in a document
 - able to assess the logical consistency of arguments
 - able to generate an independent argument from existing primary and secondary sources
- **PROFESSIONAL PROFICIENCY:** including competency in applying research methods and applying knowledge and skills to meet professional competencies with History. Links to University Outcomes #8 and #3.
 - able to locate and retrieve information from a variety of sources (print, electronic, other)
 - able to use Turabian (or Chicago Manual of Style)
 - able to assess the legitimacy and appropriateness of sources
- **OBJECTIVE KNOWLEDGE:** includes demonstrating historical knowledge at a level which reflects competency and understanding of course material pertaining to a variety of historical epochs and diverse geographical and cultural contexts. Links to University Outcomes #5 and #6, but is defined specifically by the ability to acquire and to assess historical facts as well as interpretations that are broadly-based as well as in-depth.
 - able to identify key historical figures, events, trends commensurate with being knowledgeable in a field of history
 - able to summarize the current prevailing analyses of historical events
 - able to identify mistakes of logic (or facts) when history is cited in debated issues
- **CAREER PREPARATION:** Links to University Outcome # 5.

- can identify career paths suited to history majors
- can extrapolate applied history experience to a variety of history-oriented careers
- can report post-graduate success tied to history degree-based skills acquired as an undergraduate

Related Links

History, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/history/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		

SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
	Complete 0-9 credits	0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
	Complete one of the following:	0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Courses		
HIST 151	Ancient World to the Age of Global Encounters	3
HIST 152	Early Modern to Contemporary World	3
HIST 201	Colonial US to the Civil War Era	3
HIST 202	US Civil War Era to Present	3
HIST 205	The Historian's Craft ¹	3
HIST 454	Research and Writing Seminar ¹	3
Subtotal		18
Required Elective Courses		
<i>United States</i>		

Select six credits from the list below (p. 678)	6
<i>Africa, Asia, Latin America and Middle East</i>	
Select six credits from the list below (p. 678)	6
<i>Europe</i>	
Select six credits from the list below (p. 678)	6
Applied History	
Select three credits from the list below (p. 678)	3
Subtotal	21
Electives	
All History majors must complete 3 additional upper division History credits.	
HIST 300/400 level course ¹	3
Subtotal	3
Total Hours	42

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

United States

Code	Title	Hours
HIST 304	American Military History ¹	3
HIST 313	U.S. Manhood and Masculinities ¹	3
HIST 320	History of Women from 1750 to the Present ¹	3
HIST 323	African American History to 1876 ¹	3
HIST 324	African American History Since 1876 ¹	3
HIST 326	The Long Civil Rights Movement ¹	3
HIST 335	Outstanding Americans ¹	3
HIST 336	American Economic History ¹	3
HIST 337	Native American History ¹	3
HIST 344	The American City ¹	3
HIST 350	The American Civil War ¹	3
HIST 353	History of the Americas ¹	3
HIST 358	American Popular Culture, 1865 to the Present ¹	3
HIST 364	History of Medicine ¹	3
HIST 390	Experimental ¹	3
HIST 435	Pennsylvania ¹	3
HIST 437	The American West ¹	3
HIST 445	Americans and the Environment ¹	3
HIST 453	American Constitutional History and Law ¹	3
HIST 490	Independent Study ¹	3
HIST 498	Selected Topics ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Africa, Asia, Latin America and Middle East

Code	Title	Hours
HIST 351	Latin America to 1830 ¹	3
HIST 352	Latin America Since 1830 ¹	3
HIST 353	History of the Americas ¹	3
HIST 362	Africa North of the Zambezi ¹	3

HIST 363	Southern Africa ¹	3
HIST 364	History of Medicine ¹	3
HIST 370	History and the Bible ¹	3
HIST 371	History of Jews ¹	3
HIST 376	Modern Japan ¹	3
HIST 380	Egyptology ¹	3
HIST 381	East Asian Military Traditions ¹	3
HIST 382	Modern Asian Pacific Rim ¹	3
HIST 386	Modern China ¹	3
HIST 390	Experimental ¹	3
HIST 406	Mass Killing and Genocide in the Modern World ¹	3
HIST 462	The Contemporary Middle East ¹	3
HIST 463	Israel-History, State and Society ¹	3
HIST 490	Independent Study ¹	3
HIST 498	Selected Topics ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Europe

Code	Title	Hours
HIST 305	Russia to 1855 ¹	3
HIST 306	Russia Since 1855 ¹	3
HIST 318	Gender and Sexuality in European Society ¹	3
HIST 319	History of Women to 1750 ¹	3
HIST 331	England to 1689 ¹	3
HIST 332	Britain Since 1689 ¹	3
HIST 333	Medieval Church ¹	3
HIST 346	Rise of Imperial Britain ¹	3
HIST 347	Twentieth Century British Culture ¹	3
HIST 364	History of Medicine ¹	3
HIST 390	Experimental ¹	3
HIST 404	Violence in Post-45 Europe ¹	3
HIST 422	Ancient Greece ¹	3
HIST 423	Ancient Rome ¹	3
HIST 424	The Middle Ages ¹	3
HIST 426	French Revolution and Napoleon ¹	3
HIST 427	Nineteenth Century Europe ¹	3
HIST 428	Modern French History, 1789-Present ¹	3
HIST 464	The Scientific Revolution of the 17th and 18th Centuries ¹	3
HIST 490	Independent Study ¹	3
HIST 498	Selected Topics ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Applied History

Code	Title	Hours
HIST 343	Public History ¹	3
HIST 395	Workshop ¹	3
HIST 411	Digital History ¹	3
HIST 450	History Internship ¹	3

HIST 490	Independent Study ¹	3
HIST 495	Workshop ¹	3

¹ Course counts for 50% of Major requirements and Major GPA

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. These opportunities can deepen and enhance the learning in History. In addition, there is a strong correlation between long-term student success and engagement in these opportunities:

1. Internships
2. Reacting to the Past designated courses
3. Student-faculty research
4. International and domestic study programs (short-term, semester, and year-long)
5. Volunteering at historical institutions (museums, archives, libraries, living history centers, etc.)
6. Career education and development
7. Student leadership development

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

HISTORY - BA (5 44)

This program is effective as of Summer 2022

Revised 09.22.2025

UCC 03.01.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
Select one of the following:		3
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
Humanities Inquiry (p. 19)		3
Hours		16
Spring		
ENGL 104	Critical Reading	3

Select one of the following:		3
HIST 151	Ancient World to the Age of Global Encounters	
HIST 152	Early Modern to Contemporary World	
Select one of the following:		3
HIST 201	Colonial US to the Civil War Era	
HIST 202	US Civil War Era to Present	
MODL 1XX	Language and Culture I, II, or III	3
MATH 117	Quantitative Reasoning	3
Hours		15

Second Year

Fall

HIST 205	The Historian's Craft	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
MODL 1XX	Language and Culture I, II, or III	3
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15

Spring

United States History 300/400		3
European History 300/400		3
MODL 1XX	Language and Culture I, II, or III	3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/2nd Major		3
Hours		15

Third Year

Fall

United States History 300/400		3
African, Asian, Latin American, and Middle Eastern History 300/400		3
SCI 101	Science of Life	3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/2nd Major		3
Hours		15

Spring

Applied History 300/400		3
African, Asian, Latin American, and Middle Eastern History 300/400		3
SCI 102	Understanding the Physical World	3
Elective/Minor/Certificate/2nd Major		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Fourth Year

Fall

HIST 454	Research and Writing Seminar	3
European History 300/400		3
Elective/Minor/Certificate/2nd Major		3
Elective/Minor/Certificate/2nd Major		3

Thematic Thread Requirement (p. 19)	3
Hours	15
Spring	
History Elective 300/400	3
Elective/Minor/Certificate/2nd Major	3
Elective/Minor/Certificate/2nd Major	3
Elective/Minor/Certificate/2nd Major	3
Elective/Minor/Certificate/2nd Major	3
Hours	15
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 44
Revised: 09.24.2025

Non-Western History, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required History Courses		
HIST 151	Ancient World to the Age of Global Encounters	3
HIST 152	Early Modern to Contemporary World	3
Select three of the following:		9
HIST 362	Africa North of the Zambezi	
HIST 363	Southern Africa	
HIST 364	History of Medicine	
HIST 370	History and the Bible	
HIST 371	History of Jews	

HIST 376	Modern Japan
HIST 380	Egyptology
HIST 381	East Asian Military Traditions
HIST 382	Modern Asian Pacific Rim
HIST 386	Modern China
HIST 406	Mass Killing and Genocide in the Modern World
HIST 454	Research and Writing Seminar (Nonwestern topics only)
HIST 462	The Contemporary Middle East
HIST 463	Israel-History, State and Society

Free Elective

Select one History course ¹	3
Total Hours	18

¹ From HIST 151 through HIST 498.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN NON-WESTERN HISTORY (44D) This program is effective as of Summer 2022 UCC 03..01.2022 Revised 05.31.2022

United States History, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 6 credit hours in their minor from SRU

- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
HIST 201	Colonial US to the Civil War Era	3
HIST 202	US Civil War Era to Present	3
Select four of the following:		12
HIST 304	American Military History	
HIST 313	U.S. Manhood and Masculinities	
HIST 323	African American History to 1876	
HIST 324	African American History Since 1876	
HIST 326	The Long Civil Rights Movement	
HIST 335	Outstanding Americans	
HIST 336	American Economic History	
HIST 337	Native American History	
HIST 343	Public History	
HIST 344	The American City	
HIST 350	The American Civil War	
HIST 351	Latin America to 1830	
HIST 352	Latin America Since 1830	
HIST 353	History of the Americas	
HIST 358	American Popular Culture, 1865 to the Present	
HIST 364	History of Medicine	
HIST 395	Workshop	
HIST 411	Digital History	
HIST 435	Pennsylvania	
HIST 437	The American West	
HIST 445	Americans and the Environment	
HIST 453	American Constitutional History and Law	
HIST 454	Research and Writing Seminar (American topics only)	
HIST 495	Workshop	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN UNITED STATES HISTORY (44F)
This program is effective as of Summer 2021

UCC 03.01.2022
Revised 06.07.2022

Interdisciplinary Programs Programs Majors

- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Anthropology (p. 683)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Cognitive Science (p. 685)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Cultural Area Studies (p. 687)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Leadership Studies (p. 689)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Leadership Studies - Online Degree Completion Program (p. 691)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Liberal Arts (p. 692)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Liberal Arts - Online Degree Completion Program (p. 694)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Philanthropy and Nonprofit Management (p. 695)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Philanthropy and Nonprofit Management - Online Degree Completion Program (p. 697)
- Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Sociology (p. 699)

Minors

- Anthropology, Minor (p. 681)
- Philanthropy and Nonprofit Management, Minor (p. 701)
- Sociology, Minor (p. 702)

Certificates

- Diversity and Inclusion, Certificate (p. 682)
- Hispanic Serving Non-Profit Organizations, Certificate (p. 683)
- Managing Nonprofit Organizations Serving the LGBTQIA+ Community, Certificate (p. 700)
- Philanthropy and Non-Profit Management, Certificate (p. 701)
- Re-Entry Nonprofit Organization, Certificate (p. 702)
- Writing for the Nonprofit Sector, Certificate (p. 703)

Anthropology, Minor ANTHROPOLOGY AT SRU

Through the anthropology curriculum, students will gain skills and experiences in the classroom with real-world application, regardless of career path. Anthropology majors and minors begin the program by taking Introduction to Anthropology, which explores the fundamentals of human evolution, the culture concept and cultural diversity. Each student then designs a complete anthropological curriculum around a specific area of focus (e.g., sociocultural, archaeological, evolutionary, applied) over a period of individualized advisement by taking courses across a range of disciplines. This interdisciplinary degree is designed to enrich students' lives and prepare them for successful careers after graduation.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirements

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
INDP 108	Introduction to Anthropology	3
INDP 211	Biological Anthropology	3
INDP 212	Archaeology/World Prehistory	3
INDP 319	Anthropology Methods	3
INDP 401	Applied Anthropology	3
Select one of the following:		3
INDP 310	Cultural Area Studies	
GES 303	Asia	
GES 308	Europe	
GES 309	Africa	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ANTHROPOLOGY (80A)
This program is effective as of Fall 2003
Revised 07.21.2025

Diversity and Inclusion, Certificate

The world that we live in is increasingly characterized by diversity. This certificate is designed to foster an understanding of the historical, political, sociological and legal contexts within the United States and how these contexts impact issues of diversity. In this certificate each

of these domains of diversity, and the intersections between them, will be interrogated and deconstructed for their individual effects and examine interrelatedness. This understanding of diversity will foster communication of complex ideas related to equity, teach strategies to negotiate issues of power, and position oneself to embrace inclusion and act as an ally/advocate for people in systematically marginalized groups.

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Diversity and Inclusion, Certificate Page (<https://www.sru.edu/academics/certificates/diversity-and-inclusion-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Course Requirements		
INDP 106	Race and Ethnic Diversity in the USA	3
INDP 321	Minority Groups	3
Select 3 of the following:		9
GNDR 115	Introduction to Gender Studies	
GNDR 280	Introduction to Disability Studies	
GNDR 340	Applied Queer Studies	
INDP 339	Gender Roles and Society	
POLI 351	Politics of Race	
POLI 356	Gay and Lesbian Politics	
POLI 375	Women and Politics	
PHIL 140	World Religions	
ARAB 215	Topics in Arabic Culture	
or FREN 215	Topics in French and Francophone Culture	
or JAPN 215	Topics in Japanese Culture	
or SPAN 215	Topics in Hispanic Culture	
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE in Diversity and Inclusion (5DIN)

This program is effective as of Summer 2021.

Revised 09.23.2025

UCC 03.30.2021

Hispanic Serving Non-Profit Organizations, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Non-Profit Management Program Page (<https://www.sru.edu/academics/certificates/nonprofit-management-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Course Requirements		
SPAN 103	Spanish Language & Culture III	3
SPAN 215	Topics in Hispanic Culture	3
NLPA 120	Civic Engagement and Community Decision-Making	3
NLPA 101	Introduction to Nonprofit Management	3
NLPA 320	Community Change and Development	3
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE in Hispanic Serving Nonprofit Organizations (5HSN)

This program is effective as of Spring 2019.

Revised 07.08.2025

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Anthropology

WHAT CAN I DO WITH AN ANTHROPOLOGY DEGREE?

Learn about the world and yourself. Anthropology is a broad field that seeks to understand what it means to be human in all possible ways, from understanding our evolutionary origins to examining our cultural variability. Students can follow their curiosity and study human behavior in the past or present and gain skills in linguistics, cultural studies, critical thinking, writing and analysis that are applicable to careers in academia; the corporate and business world; government; education; historic preservation and archaeology; museums; advocacy; design; market research; international development; and health care.

PROGRAM LEARNING OUTCOMES

1. Applied, Interdisciplinary and Responsive Approaches: Challenges students to investigate current social dilemmas, then design and/or deliver integrated, innovative, solution-driven responses that reflect critical inquiry, analytical thinking, and an understanding of root causes, social context and personal consequences. (UG2)
2. Critical Thinking and Lifelong Learning: Critically evaluate explanations of human behavior, social phenomena, and social processes locally and globally. Identify and assess the assumptions underlying different theoretical perspectives. (UG2)
3. Cultural Literacy, Inclusion and Respect for Diversity: Foster the creation of a learning community that values lifelong learning and fosters critical analysis and understanding of cultural literacy, respect for diversity, and inclusion. (UG9)
4. Empowerment, Personal Agency and Civic Engagement: Enhance individual purpose and expose students to skills, knowledge and experiences that foster the practice of authentic, respectful and mutual-beneficial civic engagement. (UG7)
5. Ethical Behavior and Justice: With an awareness of the effects of social injustice, have an appreciation of diversity and inclusion. Consider justice values and ethics in professional practice including ways of thinking and doing. (UG8)
6. Written and Oral Communication: Appropriately, effectively, and persuasively prepare and present views. (UG1)

RELATED LINKS

Interdisciplinary Programs - Anthropology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/anthropology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses ¹		
INDP 108	Introduction to Anthropology	3
<i>Oral and Written Communication</i>		
Select at least three credits from the following:		3
NLPA 101	Introduction to Nonprofit Management	
INDP 104	Principles of Sociology	
GNDR 115	Introduction to Gender Studies	
POLI 101	American National Government	
<i>Interpersonal Skills and Civic Responsibility</i>		
Select at least six credits from the following:		6
INDP 106	Race and Ethnic Diversity in the USA	
INDP 211	Biological Anthropology	
INDP 212	Archaeology/World Prehistory	
INDP 310	Cultural Area Studies	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
INDP 317	Statistics for the Social Sciences	3
INDP 318	Research Methods in Interdisciplinary Studies	3
or POLI 310	Social Science Research Methods	
INDP 499	Capstone: Applied Interdisciplinary Studies	3
or POLI 444	Social Science Capstone	
or INDP 401	Applied Anthropology	
Subtotal		21
Emphasis Area ¹		
Select 21 credits that relate to or support the student learning outcomes, by advisement		21
Subtotal		21

Experiential Learning Activities

Complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.

Total Hours **42**

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)/CIM 258

Concentration in Anthropology (ANTH)

This program is effective as of Summer 2025

Revised 09.23.2025

UCC 04.29.2025

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Cognitive Science

RELATED LINKS

Interdisciplinary Programs - Cognitive Science, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/cognitive-science-interdisciplinary-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide**GPA Requirement**

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses		
Select 18 credits, at least three credits in each of the following areas:		18
<i>Oral and Written Communication</i>		
LEAD 144	Introduction to Cognitive Studies	
LEAD 215	Introduction to Consciousness	
<i>Interpersonal Skills and Civic Responsibility</i>		
LEAD 344	Left and Right Brain: From Neuron to Culture	
LEAD 244	Artificial Intelligence in Cognitive Studies and Film	
LEAD 315	Mindfulness and Brain	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
LEAD 456	Research in Cognitive Science	
INDP 317	Statistics for the Social Sciences	
INDP 318	Research Methods in Interdisciplinary Studies	
Subtotal		18

Emphasis Area

Select 24 credits from any of the following categories, must take at least one course from each area:

Mind and Brain

LEAD 344	Left and Right Brain: From Neuron to Culture
PHIL 351	Philosophy of Natural Science
INDP 108	Introduction to Anthropology
INDP 211	Biological Anthropology
LEAD 315	Mindfulness and Brain

Intelligence, Perception and Technology

CPSC 130	Introduction to Computing and Programming
LEAD 244	Artificial Intelligence in Cognitive Studies and Film
CPSC 146	Programming Principles
ENGL 230	Introduction to Linguistics and Grammar
PHIL 113	Formal Logic
CPSC 300	Challenges of Computer Technology

Consciousness, Self and Other

COMM 217	Intercultural Communication
LEAD 350	Multicultural Leadership
INDP 326	Society, Culture and Self
LEAD 352	Self Leadership
COMM 314	Interpersonal Communication
PHIL 123	Ethics
INDP 327	Religion and Society
PHIL 343	Asian Philosophy
LEAD 215	Introduction to Consciousness

Subtotal	24

Experiential Learning Activities

Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.

Total Hours	42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)

Concentration in Cognitive Science (COSC)

This program is effective as of Fall 2020.

Revised 07.21.2025

UCC 10.15.19

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Cultural Area Studies

CULTURAL AREA STUDIES AT SRU

The curriculum in this program will provide students the opportunity to connect with other cultures, understand global issues, and correlate what they learn in the classroom to global and local settings. Among the fields studied: history, politics, languages, anthropology, philosophy, the arts and literature. Students will have diverse experiences, and through internships, take part in international travel and study to apply what they've learned to real-world situations. Students can choose to study American studies, Asian studies, European studies, Latin-American studies and Middle East studies. This program is designed to take a multi-disciplinary and integrative approach to learning. Students will learn how societies and cultures develop, grow, change and interact within and between other societies. Cultural sensitivity and literacy, including language skills, are important areas that will be developed through an interdisciplinary curriculum that emphasizes theoretical classroom knowledge that is applied through student faculty research, internships, and practicums, and international travel and study. An integrative research project is a capstone experience required of all students. This project will build upon experiences inside and outside the classroom and integrate classroom theory and application.

WHAT CAN I DO WITH A CULTURAL AREA STUDIES DEGREE?

With a degree in cultural area studies, students will be well-positioned to embark on a wide variety of careers, including international non-governmental organizations and international nonprofit agencies, airline and travel, teacher/professor, international law, environmental agencies, business, health and education, diplomatic positions and more.

PROGRAM LEARNING OUTCOMES

1. Applied, Interdisciplinary and Responsive Approaches
2. Critical Thinking and Lifelong Learning
3. Cultural Literacy, Inclusion and Respect for Diversity
4. Empowerment, Personal Agency and Civic Engagement
5. Ethical Behavior and Justice
6. Written and Oral Communication

RELATED LINKS

Interdisciplinary Programs - Cultural Area Studies, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/cultural-area-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot

be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
INDP 499	Capstone: Applied Interdisciplinary Studies	3
Select one the following:		3
COMM 217	Intercultural Communication ¹	
GES 105	World Regional Geography ¹	
POLI 103	International Relations ¹	
Subtotal		6
<i>Interpersonal Skills and Civic Responsibility</i> ²		
Select one of the following: ³		3
Modern Language Course		
Hist & Dev Eng Lang (Amer. St. only)		
Select one of the following: ⁴		3
Modern Language Course		
By advisement (American Studies only)		
Subtotal		6
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select one of the following courses approved for your cultural area:		3
HIST 151	Ancient World to the Age of Global Encounters ¹	
HIST 152	Early Modern to Contemporary World ¹	
INDP 106	Race and Ethnic Diversity in the USA ¹	
INDP 310	Cultural Area Studies ¹	

INDP 322	Archaeology of the Americas ¹	
MODL 105	Introduction to Asian Civilizations ¹	
Subtotal		3
<i>Required</i>		
INDP 104	Principles of Sociology	3
or INDP 108	Introduction to Anthropology	
or GNDR 115	Introduction to Gender Studies	
or NLPA 101	Introduction to Nonprofit Management	
or POLI 101	American National Government	
INDP 318	Research Methods in Interdisciplinary Studies ¹	3
Subtotal		6
Emphasis Area		
Courses selected by advisement		
<i>Cultural Area - America, Asia, Europe, Latin America or Middle East</i>		
Select 21 credits from the following categories: Foundations, Culture and Society, History, Current Issues		21
Subtotal		21
Experiential Learning Activities		
Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.		
Total Hours		42

¹ Course counts for 50% of Major requirements and Major GPA.

² Take Modern Language courses at the 102 and 103, approved for your cultural area. American studies students must take ENGL 331 and another course by advisement.

³ ARAB, CHIN, FREN, JAPN, KORN, SPAN 102 or ENGL 331.

⁴ ARAB, CHIN, FREN, JAPN, KORN, SPAN 103 or Approved course.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
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PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)

Concentration in Cultural Area Studies (CULT)

This program is effective as of Fall 2020

Revised 09.23.2025

UCC 03.05.20

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Leadership Studies

RELATED LINKS

Interdisciplinary Programs - Leadership Studies, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/leadership-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
Select two of the following:		6
LEAD 251	Leadership Theory ¹	
LEAD 354	Strategic Planning and Decision Making for Leaders	

MLSC 102	Principles of Leadership	
MLSC 301	Fundamentals of Tactical Operations	
<i>Interpersonal Skills and Civic Responsibility</i>		
Select two of the following:		6
LEAD 350	Multicultural Leadership	
LEAD 352	Self Leadership	
LEAD 353	Teambuilding for Leaders	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select two of the following:		6
LEAD 351	Leadership Practicum ¹	
INDP 317	Statistics for the Social Sciences	
INDP 318	Research Methods in Interdisciplinary Studies	
Subtotal		18

Emphasis Area

Select at least one course in each of the following areas for a total of 24 credits: 24

Area A - Self Leadership

COMM 314	Interpersonal Communication
CSS 354	Risk Assessment and Fraud Prevention
NLPA 305	Financial Best Practices for Decision Makers
LEAD 215	Introduction to Consciousness
INDP 326	Society, Culture and Self
LEAD 352	Self Leadership
PHIL 123	Ethics
MLSC 201	Basic Military Skills
MLSC 202	Intermediate Military Skills

Area B - Group Leadership

COMM 215	Small Group Communication
INDP 310	Cultural Area Studies
INDP 321	Minority Groups
INDP 339	Gender Roles and Society
LEAD 344	Left and Right Brain: From Neuron to Culture
LEAD 350	Multicultural Leadership
LEAD 353	Teambuilding for Leaders
MGMT 351	Organizational Behavior
MLSC 301	Fundamentals of Tactical Operations
MLSC 302	Advanced Military Skills
PCRM 342	Group Facilitation and Leadership

Area C - Organizational Leadership

COMM 217	Intercultural Communication
COMM 315	Organizational Communication
CSS 352	Law & Ethics in the Workplace
NLPA 120	Civic Engagement and Community Decision-Making
INDP 348	Sociology of Organizations
LEAD 144	Introduction to Cognitive Studies
LEAD 354	Strategic Planning and Decision Making for Leaders
MGMT 341	Organizational Leadership
MLSC 401	Leadership Dimensions and Concepts

MLSC 402	Officership and the Profession of Arms
<i>Area D - Leadership Experience</i>	
LEAD 351	Leadership Practicum
LEAD 355	Leadership Development Course
LEAD 450	Internship
MLSC 250	ROTC Basic Leadership Practicum
MLSC 350	ROTC Advanced Leadership Practicum
Subtotal	24

Experiential Learning Activities

Students must complete 40 hours of experiential learning activities which are fulfilled by section D above or an approved substitution by the Academic Adviser. Please consult with your Adviser for details of the options available.

Total Hours 42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)

Concentration in Leadership Studies (LDRS)

This program is effective as of Fall 2020.

Revised 09.23.2025

UCC 03.14.21

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Leadership Studies - Online Degree Completion Program

This academic **online degree completion program** is designed for experienced college students, **who have completed some coursework and proven their ability to succeed at the college level**. Specifically, the Leadership Studies program provides a strong foundation for work in any employment sector. The curriculum includes coursework to help students make decisions and problem-solve, analyze data, work in a team environment, professionally communicate and manage time and proficiently organize the work environment.

Admission requirements for this program are as follows:

- Applicants must hold an associate degree from an SRU-recognized accredited program, which must include the equivalent of the following SRU courses:
 - English Writing Proficiency: Students must transfer the equivalency of SRU's ENGL 102,
 - Math Proficiency: Students must transfer the equivalency of SRU's ESAP 110, or a higher level Math.
- Applicants must have earned a cumulative GPA of 2.0 or higher from all post-secondary institutions attended.
- Applicants must be in good academic standing at most recent institution attended.

Applicants, who do not hold a recognized associate degree but have earned 60 or more college credits including sufficient Rock Studies coursework, may be considered for the program. Recognition of the program and eligibility for program admission is determined by the Transfer Admissions office.

RELATED LINKS

Online Degree Completion Undergraduate Programs Page (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirments	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	Complete 42 SRU Rock Studies 2-based credits	42
	Total Hours	42

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
	Complete one of the following:	0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
	Total Hours	0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
	Select at least six credits from the following:	6
LEAD 251	Leadership Theory	
LEAD 354	Strategic Planning and Decision Making for Leaders	
<i>Interpersonal Skills and Civic Responsibility</i>		
	Select at least six credits from the following:	6
LEAD 350	Multicultural Leadership	
LEAD 352	Self Leadership	
LEAD 353	Teambuilding for Leaders	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
	Select at least six credits from the following:	6
INDP 317	Statistics for the Social Sciences	
LEAD 253	Online Practical Research	
	Subtotal	18
Emphasis Area		
	Select at least one course in each of the following areas for a total of 24 credits:	24
<i>Area A - Leading Self</i>		
CSS 354	Risk Assessment and Fraud Prevention	
NLPA 305	Financial Best Practices for Decision Makers	
LEAD 352	Self Leadership	
<i>Area B - Leading Others</i>		
INDP 310	Cultural Area Studies	
INDP 321	Minority Groups	

LEAD 350	Multicultural Leadership
LEAD 353	Teambuilding for Leaders
MGMT 351	Organizational Behavior
Area C - Leading Organizations	
COMM 217	Intercultural Communication
CSS 352	Law & Ethics in the Workplace
NLPA 120	Civic Engagement and Community Decision-Making
INDP 348	Sociology of Organizations
LEAD 144	Introduction to Cognitive Studies
LEAD 354	Strategic Planning and Decision Making for Leaders
MGMT 341	Organizational Leadership
Area D - Leadership Experience	
LEAD 253	Online Practical Research
LEAD 450	Internship
Subtotal	24
Experiential Learning Activities	
Must complete 40 hours of experiential learning activities which are fulfilled by section D above or an approved substitution by the Academic Adviser. Please consult with your Adviser for available options.	
Total Hours	42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5197)
Concentration in Leadership Studies (Online) (LSOO)
This program is effective as of Fall 2020.
Revised 07.29.21

UCC 04.13.21

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Liberal Arts

The BS in Interdisciplinary Programs is an outcome based degree, drawing from the richness of a liberal arts based education, which provides opportunities for students to develop an interdisciplinary educational program of study in consultation with their adviser. Students select courses that demonstrate competency in the following three areas:

- Oral and Written Communications
- Interpersonal Skills and Civic Responsibility
- Quantitative, Analytical, and Critical Thinking Skills

Students will also demonstrate, through courses or non-credit experiences, that they have had experiential learning experiences related to their course of study. The specific courses used to meet these degree requirements vary with each student. The courses selected to meet the above listed outcomes are based upon the academic emphasis identified by the student for their program of study and are approved by their academic adviser.

What can students study with this degree? The degree provides three types of academic opportunities. The first, degree completion, provides opportunities for students to graduate with a program of study that builds upon their prior educational experiences when they find they are unable to complete their current degree program. The second allows students, with their adviser, to develop a self-designed program of study in the following areas:

- Sociology
- Anthropology
- Asian Studies
- Non-Profit Leadership
- Fraud
- Pre-Law and other Pre-Professional Programs

The department also offers a number of minors in the following areas: Sociology, Anthropology, Non-Profit Leadership, and Leadership.

All students must have a 2.00 GPA and have earned 30 credits before they can be accepted into the degree program. Minors do not carry these requirements. New students to the university can select this degree, but will start their program of study in the Exploratory Program while having faculty from the Department of Interdisciplinary Programs serve as their advisers. Once the degree entry requirements are met the students formally move into the degree program.

The BS in Interdisciplinary Programs affords students opportunities to be flexible and creative in designing their program of study. Students who want to integrate more than one area of study in ways not found in Slippery Rock's traditional majors may consider this degree. Students with a specific career or professional interest, an interest in graduate school or a graduate level professional program that has certain competencies, but does not require a specific undergraduate major, may find this degree appropriate for them. This degree is also valuable as a second major for students who want more than a minor to their program of study.

RELATED LINKS

Interdisciplinary Programs- Liberal Arts, BS Program Page (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/interdisciplinary-programs/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12

Subtotal	12
Total Hours	42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
Select at least six credits		6
<i>Interpersonal Skills and Civic Responsibility</i>		
Select at least six credits		6
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select at least six credits		6
Subtotal		18
Emphasis Area		
Select 24 credits related to or that support the outcomes of the Emphasis Area developed with the Academic Adviser		24
Subtotal		24
Experiential Learning Activities		

Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.

Total Hours **42**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)

Concentration in Liberal Arts (LART)

This program is effective as of Fall 2019.

Revised 09.23.2025

UCC RISP 2019

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Liberal Arts - Online Degree Completion Program

This academic **online degree completion program** is designed for experienced college students, **who have completed some coursework and proven their ability to succeed at the college level**. Specifically, the program allows a student the opportunity to work with a faculty adviser to create an individualized program that makes best use of already earned credits, while striving to facilitate unique interests and goals.

To be considered for admission to this program, students must hold an associate degree from an SRU-recognized accredited program or have earned approximately 60 college credits, which must include the following:

- Approximately 27-30 credits must be considered to be SRU Rock Studies 2 Requirement courses,

- English Writing Proficiency: Students must already earned the equivalency of SRU's ENGL 102,
- Math Proficiency: Students must have already earned the equivalent of SRU's ESAP 110,
- GPA Requirement: Students must have earned a cumulative GPA of 2.0 or higher from all post-secondary institutions attended.

Student must be in good academic standing at most recent institution attended.

Applicants, who do not hold a recognized associate degree but have earned 60 or more college credits including sufficient Rock Studies coursework (27-30 credits,) may be considered for the program. Recognition of the program and eligibility for program admission is determined by the Transfer Admissions office.

RELATED LINKS

Online Degree Completion Undergraduate Programs Page (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	Complete 42 SRU Rock Studies 2-based credits	42
Total Hours		42

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
	Complete one of the following:	0-3
	Meet required minimum SAT or ACT math score OR	
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
Select six credits approved through faculty advisement		6
<i>Interpersonal Skills and Civic Responsibility</i>		
Select six credits approved through faculty advisement		6
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select six credits approved through faculty advisement		6
Subtotal		18
Emphasis Area		
Select 24 credits approved through faculty advisement		24
Subtotal		24
Experiential Learning Activities		
Must complete 40 hours of experiential learning activities, which are explained and approved through faculty advisement.		
Total Hours		42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Graduation Requirements

Students must meet all Graduation Requirements as delineated in the University catalog, including the following requirement that should be considered as students are transferring credits and choosing SRU coursework. Students must complete 48 credits of upper-level coursework. Thirty-nine of the 48 credits must be at the 300 level or higher; the additional 9 credits may include courses requiring a 3 credit prerequisite. At least 24 of the 48 credits must be completed at SRU.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5197)

Concentration in Liberal Arts (LARO)

This program is effective as of Fall 2019.

Revised 7-2019

UCC RISP 2019

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Philanthropy and Nonprofit Management

PROGRAM LEARNING OUTCOMES

1. Applied, Interdisciplinary and Responsive Approaches: Challenges students to investigate current social dilemmas, then design and/or deliver integrated, innovative, solution-driven responses that reflect critical inquiry, analytical thinking, and an understanding of root causes, social context and personal consequences. (UG2)
2. Critical Thinking and Lifelong Learning: Critically evaluate explanations of human behavior, social phenomena, and social processes locally and globally. Identify and assess the assumptions underlying different theoretical perspectives. (UG2)
3. Cultural Literacy, Inclusion and Respect for Diversity: Foster the creation of a learning community that values lifelong learning and fosters critical analysis and understanding of cultural literacy, respect for diversity, and inclusion. (UG9)
4. Empowerment, Personal Agency and Civic Engagement: Enhance individual purpose and expose students to skills, knowledge and experiences that foster the practice of authentic, respectful and mutual-beneficial civic engagement. (UG7)
5. Ethical Behavior and Justice: With an awareness of the effects of social injustice, have an appreciation of diversity and inclusion. Consider justice values and ethics in professional practice including ways of thinking and doing. (UG8)
6. Written and Oral Communication: Appropriately, effectively, and persuasively prepare and present views. (UG1)

RELATED LINKS

Interdisciplinary Programs - Philanthropy and Nonprofit Management, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/philanthropy-and-nonprofit-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Major/Concentration Requirements		42
Electives		36

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses ¹		
NLPA 101	Introduction to Nonprofit Management	3
<i>Oral and Written Communication</i>		
Select at least three credits from the following:		3
ENGL 205	Introduction to Professional Writing	
COMM 231	Principles of Integrated Marketing Communication & Public Relations	
<i>Interpersonal Skills and Civic Responsibility</i>		
NLPA 120	Civic Engagement and Community Decision-Making	3
or POLI 101	American National Government	
NLPA 320	Community Change and Development	3
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
NLPA 305	Financial Best Practices for Decision Makers	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
Subtotal		18
Emphasis Area ¹		
POLI 359	Policy Analysis and Evaluation	3
Select 21 credits from the following and selected through advisement:		21
NLPA 450	Internship	
Internship Placement and Nonprofit Specialty area		
Subtotal		24
Experiential Learning Activities		

Must complete 40 hours of experiential learning activities, which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.

Total Hours

42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Student leadership development through the Student Nonprofit Alliance
5. Co-curricular opportunities to plan, manage and evaluate nonprofit professionals
6. Service-learning experiences with nonprofit and other community organizations
7. Networking opportunities with SRU students, alums and other nonprofit professionals
8. Opportunities to attend regional and national workshops and conferences
9. Affiliation with nonprofit professional associations
10. Internships
11. Career education and development

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198) / CIM 266
Concentration in Philanthropy and Nonprofit Management (PNPM)
This program is effective as of Summer 2025
Revised 09.23.2025
UCC 04.29.2025

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Philanthropy and Nonprofit Management - Online Degree Completion Program

This academic **online degree completion program** is designed for experienced college students, **who have completed some coursework and proven their ability to succeed at the college level**. Specifically, this program provides a strong foundation for those who plan to work in the nonprofit sector and need to develop expertise in how to develop and manage programs, measure organizational effectiveness, generate funds through grants and special events, prepare budgets and maintain financial records, develop marketing tools and public relations materials, recruit and supervise volunteers, advocate for the needs of clients, and conduct human resources functions like hiring and evaluating staff.

Admission requirements for this program are as follows:

- To be considered for admission to this program, applicants must hold an associate degree from an SRU-recognized accredited program, which must include the equivalent of the following SRU courses:
 - English Writing Proficiency: Students must transfer the equivalency of SRU's ENGL 102,
 - Math Proficiency: Students must transfer the equivalency of SRU's ESAP 110.
- GPA Requirement: Applicants must have earned a cumulative GPA of 2.0 or higher from all post-secondary institutions attended.
- Applicants must be in good academic standing at most recent institution attended.

Applicants, who do not hold a recognized associate degree but have earned 60 or more college credits including sufficient Rock Studies 2 coursework (27-30 credits,) may be considered for the program. Recognition of the program and eligibility for program admission is determined by the Transfer Admissions office.

RELATED LINKS

Online Degree Completion Undergraduate Programs Page (<https://www.sru.edu/academics/online-learning/online-degree-completion-ug-programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Online program students must complete a sum total of 42 SRU Rock Studies 2-based credits; there are no specific requirements

Code	Title	Hours
Complete 42 SRU Rock Studies 2-based credits		42
Total Hours		42

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
NLPA 101	Introduction to Nonprofit Management ¹	3
ENGL 365	Writing for the World Wide Web ¹	3
<i>Interpersonal Skills and Civic Responsibility</i>		
NLPA 120	Civic Engagement and Community Decision-Making ¹	3
NLPA 320	Community Change and Development ¹	3
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
NLPA 305	Financial Best Practices for Decision Makers ¹	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising ¹	3
Subtotal		18
Emphasis Area		
Select 24 credits from the following:		24
NLPA 450	Internship ¹	
Emphasis course by Advisement		
Emphasis course by Advisement		
Emphasis course by Advisement		
Emphasis course by Advisement		
Emphasis course by Advisement		

Emphasis course by Advisement	
Emphasis course by Advisement	
Subtotal	24
Experiential Learning Activities	
Complete 40 hours of experiential learning activities, which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.	
Total Hours	42

- ¹ Course counts for 50% of Major requirements and Major GPA.
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Graduation Requirements

Students must meet all Graduation Requirements as delineated in the University catalog, including the following requirement that should be considered as students are transferring credits and choosing SRU coursework.

- Students must complete 48 credits of upper-level coursework. Thirty-nine of the 48 credits must be at the 300 level or higher; the additional 9 credits may include courses requiring a 3 credit prerequisite. At least 24 of the 48 credits must be completed at SRU.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

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PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)
Concentration in Philanthropy and Nonprofit Management (PNPM)
This program is effective as of Fall 2020.
Revised 07.26.2023
UCC 10.15.19

Interdisciplinary Programs, Bachelor of Science (BS) - Concentration in Sociology

PROGRAM LEARNING OUTCOMES

1. Applied, Interdisciplinary and Responsive Approaches: Challenges students to investigate current social dilemmas, then design and/or deliver integrated, innovative, solution-driven responses that reflect critical inquiry, analytical thinking, and an understanding of root causes, social context and personal consequences. (UG2)
2. Critical Thinking and Lifelong Learning: Critically evaluate explanations of human behavior, social phenomena, and social processes locally and globally. Identify and assess the assumptions underlying different theoretical perspectives. (UG2)
3. Cultural Literacy, Inclusion and Respect for Diversity: Foster the creation of a learning community that values lifelong learning and fosters critical analysis and understanding of cultural literacy, respect for diversity, and inclusion. (UG9)
4. Empowerment, Personal Agency and Civic Engagement: Enhance individual purpose and expose students to skills, knowledge and experiences that foster the practice of authentic, respectful and mutual-beneficial civic engagement. (UG7)
5. Ethical Behavior and Justice: With an awareness of the effects of social injustice, have an appreciation of diversity and inclusion. Consider justice values and ethics in professional practice including ways of thinking and doing. (UG8)
6. Written and Oral Communication: Appropriately, effectively, and persuasively prepare and present views. (UG1)

RELATED LINKS

Interdisciplinary Programs - Sociology, BS Program Page (<https://www.sru.edu/academics/majors-and-minors/sociology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
	The Rock	
SUBJ 139	Foundations of Academic Discovery ¹	3

ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
<i>Thematic Thread</i>		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy ROCK Studies 2, a minor, or another major's requirements.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Core Courses ¹		
<i>Oral and Written Communication</i>		
INDP 104	Principles of Sociology	3
Select three credits from the following:		3
POLI 101	American National Government	
NLPA 101	Introduction to Nonprofit Management	
INDP 108	Introduction to Anthropology	
GNDR 115	Introduction to Gender Studies	
<i>Interpersonal Skills and Civic Responsibility</i>		
Select six credits from the following:		6
INDP 103	Contemporary Social Problems	
INDP 106	Race and Ethnic Diversity in the USA	
INDP 304	Urban Sociology	
INDP 326	Society, Culture and Self	
INDP 330	Collective Behavior	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
INDP 317	Statistics for the Social Sciences	3
INDP 318	Research Methods in Interdisciplinary Studies	3
or POLI 310	Social Science Research Methods	
INDP 499	Capstone: Applied Interdisciplinary Studies	3
or POLI 444	Social Science Capstone	
Subtotal		21
Emphasis Area ¹		
Select 21 credits from the following by advisement:		21
General Sociology Concentration		
Applied Sociology interest areas for Medical Sociology and Public Sociology		
Subtotal		21
Experiential Learning Activities		
Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.		
Total Hours		42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty creative projects
4. Internships
5. Experiential Learning (Practice experience outside the classroom)

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

INTERDISCIPLINARY PROGRAMS - BS (5198)/CIM 268

Concentration in Sociology (SOCI)

This program is effective as of Summer 2025

Revised 09.23.2025

UCC 04.29.2025

Managing Nonprofit Organizations Serving the LGBTQIA+ Community, Certificate

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Managing LGBTQ+ Focused Nonprofit Organizations, Minor Program Page (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/nonprofit-management-empowerment-and-diversity-studies/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Course Requirements		
GNDR 115	Introduction to Gender Studies	3
GNDR 340	Applied Queer Studies	3
NLPA 120	Civic Engagement and Community Decision-Making	3
NLPA 101	Introduction to Nonprofit Management	3

NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN MANAGING NONPROFIT ORG FOR LGBTQIA+(5MNP)

This program is effective as of Summer 2022

Revised 07.08.2025

UCC Spring 2021

Philanthropy and Non-Profit Management, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Philanthropy and Nonprofit Management, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cob/school-of-business/management-and-marketing/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Course Requirements		
NLPA 101	Introduction to Nonprofit Management	3
NLPA 120	Civic Engagement and Community Decision-Making	3
NLPA 305	Financial Best Practices for Decision Makers	3
NLPA 320	Community Change and Development	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE Philanthropy and Nonprofit Management (5PNM)

This program is effective as of Spring 2019

Revised 07.08.2025

Philanthropy and Nonprofit Management, Minor

The minor in philanthropy and nonprofit management is intended to be useful to those students who may choose to either follow a career path or a personal goal of working within a nonprofit, nongovernmental organizational context. These courses prepare students to meet professional demands of the nonprofit sector.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
NLPA 101	Introduction to Nonprofit Management	3
NLPA 305	Financial Best Practices for Decision Makers	3
NLPA 320	Community Change and Development	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
INDP 450	Internship	3
Select one of the following:		3

INDP 106	Race and Ethnic Diversity in the USA	
CDEV 248	Human Development and Education	
NLPA 120	Civic Engagement and Community Decision-Making	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PHILANTHROPY AND NONPROFIT MANAGEMENT (73B)

This program is effective as of Fall 2015

Revised 8-2019

Re-Entry Nonprofit Organization, Certificate

Students who complete this certificate of academic achievement will:

- Gain professional proficiency in the field of criminal justice (with additional emphasis on re-entry) and nonprofit leadership.
- Develop skills in critical thinking and synthesis and analysis of information pertaining to criminal justice, community policy making, nonprofit sector, resource development, and income generation.
- Understand the role of ethics and morality in criminal justice and the nonprofit sector.

Students can receive a document of academic achievement upon completion.

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Non-Profit Management Certificate Program Page (<https://www.sru.edu/academics/certificates/nonprofit-management-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
CRIM 110	Introduction to Criminology & Criminal Justice Systems	3
CRIM 416	Community Corrections	3
NLPA 120	Civic Engagement and Community Decision-Making	3
NLPA 320	Community Change and Development	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE Academic Achievement in Re-Entry Nonprofit Organizations (5RNO)

This program is effective as of Spring 2019.

Revised 10-2019

Sociology, Minor

The minor in sociology gives students the ability to understand the complexities of today's society by examining human behavior and social actions. In examining how social structures (such as work, the family, religion, etc) help shape social rules, processes, and agency, students gain a better understanding of the complexity of today's world—from poverty, to gender, to race, to organizational behavior, to politics and more. In studying social issues, students learn to use analytical and critical reasoning and apply sociological theories to explain a wide range of social phenomena.

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
INDP 106	Race and Ethnic Diversity in the USA	3
INDP 104	Principles of Sociology	3
INDP 304	Urban Sociology	3
INDP 317	Statistics for the Social Sciences	3
Elective Courses		
Select two of the following:		6
INDP 226	Population and Society	
INDP 309	Health and Society	
INDP 321	Minority Groups	
INDP 324	The Family	
INDP 327	Religion and Society	
INDP 339	Gender Roles and Society	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN SOCIOLOGY(80C)

This program is effective as of Fall 2009

Revised 07.08.2025

Writing for the Nonprofit Sector, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Writing for the Nonprofit Sector, Certificate Program Page (<https://www.sru.edu/academics/certificates/writing-for-the-nonprofit-sector-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
ENGL 205	Introduction to Professional Writing	3
NLPA 101	Introduction to Nonprofit Management	3
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	3
Select two of the following:		6
ENGL 365	Writing for the World Wide Web	
ENGL 429	Grant and Proposal Writing	
NLPA 120	Civic Engagement and Community Decision-Making	
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE in Writing for Nonprofit Sector (5WNS)

This program is effective as of Spring 2019

Revised 07.08.2025

Leadership

Programs

Minors

- Cognitive Science, Minor (p. 703)
- Leadership, Minor (p. 704)

Cognitive Science, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

Code	Title	Hours
Core Courses		
<i>Oral and Written Communication</i>		
Select one of the following:		3
LEAD 144	Introduction to Cognitive Studies	
LEAD 215	Introduction to Consciousness	
<i>Interpersonal Skills and Civic Responsibility</i>		
Select one of the following:		3
LEAD 244	Artificial Intelligence in Cognitive Studies and Film	
LEAD 315	Mindfulness and Brain	
LEAD 344	Left and Right Brain: From Neuron to Culture	
<i>Analytical, Quantitative & Critical Thinking Skills</i>		
Select one of the following:		3
INDP 317	Statistics for the Social Sciences	
INDP 318	Research Methods in Interdisciplinary Studies	
LEAD 456	Research in Cognitive Science	
Emphasis Area		
Students must take at least one course from each area		
<i>Mind and Brain</i>		
Select one of the following:		3
INDP 108	Introduction to Anthropology	
INDP 211	Biological Anthropology	
LEAD 315	Mindfulness and Brain	
LEAD 344	Left and Right Brain: From Neuron to Culture	
PHIL 351	Philosophy of Natural Science	
<i>Intelligence, Perception and Technology</i>		
Select one of the following:		3
CPSC 130	Introduction to Computing and Programming	
CPSC 146	Programming Principles	
CPSC 300	Challenges of Computer Technology	
ENGL 230	Introduction to Linguistics and Grammar	
LEAD 244	Artificial Intelligence in Cognitive Studies and Film	
PHIL 113	Formal Logic	
<i>Consciousness, Self and Others</i>		
Select one of the following:		3
COMM 217	Intercultural Communication	
COMM 314	Interpersonal Communication	
LEAD 215	Introduction to Consciousness	
LEAD 350	Multicultural Leadership	
INDP 326	Society, Culture and Self	
INDP 327	Religion and Society	
LEAD 352	Self Leadership	
PHIL 123	Ethics	
PHIL 343	Asian Philosophy	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN COGNITIVE SCIENCE (80J)

This program is effective as of Summer 2018

Revised 04.09.2020

Leadership, Minor

The Leadership Minor is comprised of six courses (18crhs.) from various departments that better prepares students to advance in their professional field as leadership touches all aspects of business and industry. The Leadership Minor serves as an excellent resume builder and will impact **EVERYONE'S** life after graduation, while gaining an understanding and knowledge for future endeavors. Leadership is an extremely broad and ever-growing demand across businesses, organizations, teams, cultures, and our society.

The goal of the Leadership Minor is to focus on helping students gain an initial understanding of those communication and relationship processes they will face while developing their professional lives. Additionally, students will begin to evaluate themselves and their competencies through reflection and problem-solving issues that will positively impact and enhance one's professional growth regardless of your academic major as leadership touches all aspects of life.

WHY SELECT THE LEADERSHIP MINOR?

- You seek to create a culture and drive change.
- You want to develop yourself as a professional and continue to grow.
- You want to inspire, motivate, and build teams that are effective.
- You want to LEAD, and you CARE!

To access Minor Requirements, please view the Curriculum Guide tab.

STUDENT LEARNING OUTCOMES

1. Apply knowledge of leadership to real leadership problems in an actual organization through a well-defined leadership project. (UO 2, 6, 7)
2. Integrate leadership concepts and practices in thinking about and acting on these problems in a particular context through the leadership project. (UO 3, 5, 8, 9, 10)
3. Practice leadership through the leadership project, following through on the project appropriately. (UO 1, 2, 4, 5, 7, 8, 9)

4. Analyze leadership in a particular context and draw conclusions through a written summary report. (UO 2, 4, 6)
5. Examine leadership problems as a member of a leadership consulting team. (UO 1, 2)
6. Provide ongoing guidance to others on leadership issues as a member of a leadership consulting team. (UO 1, 2, 6)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- ROTC students who wish to declare the Leadership minor should see the Military Science department for specific minor course requirements. ROTC students who declare the Leadership minor must take only the 19 credits of Military Science courses indicated.

Code	Title	Hours
Choose One class from Option A: TOTAL 3 CREDITS		
LEAD 251	Leadership Theory	
LEAD 350	Multicultural Leadership	
LEAD 352	Self Leadership	
Subtotal		3
Choose Five classes from Option B: TOTAL 15 CREDITS		
Select Five of the following:		
LEAD 101	Introduction to Leadership	
LEAD 144	Introduction to Cognitive Studies	
LEAD 215	Introduction to Consciousness	
LEAD 251	Leadership Theory	
LEAD 253	Online Practical Research	
LEAD 344	Left and Right Brain: From Neuron to Culture	
LEAD 350	Multicultural Leadership	
LEAD 351	Leadership Practicum	
LEAD 352	Self Leadership	
LEAD 353	Teambuilding for Leaders	
LEAD 354	Strategic Planning and Decision Making for Leaders	
LEAD 355	Leadership Development Course	
LEAD 450	Internship	
ACCT 322	Business Analysis and Decision Making	
ACCT 340	Legal Environment of Business	
CSS 352	Law & Ethics in the Workplace	
CSS 354	Risk Assessment and Fraud Prevention	
COMM 110	Communication Concepts	

COMM 215	Small Group Communication
COMM 217	Intercultural Communication
COMM 314	Interpersonal Communication
COMM 315	Organizational Communication
COMM 413	Communication Theory
CPSC 102	Collaborative Information Technology and Society
CPSC 300	Challenges of Computer Technology
CRIM 327	Criminal Justice and the Multicultural Community
CRIM 343	Criminal Investigations
EXER 301	Aerobic Exercise Leadership
EXER 302	Exercise Leadership: Resistance Training
HSS 120	Introduction to Homeland Security
HSS 230	Risk Analysis and Strategic Planning
INDP 310	Cultural Area Studies
INDP 317	Statistics for the Social Sciences
INDP 318	Research Methods in Interdisciplinary Studies
INDP 321	Minority Groups
INDP 323	Deviant Behavior
INDP 326	Society, Culture and Self
INDP 339	Gender Roles and Society
INDP 340	Social Inequality
INDP 348	Sociology of Organizations
MGMT 341	Organizational Leadership
MGMT 351	Organizational Behavior
MIS 443	Project Management
MLSC 100	The American Military Experience
MLSC 102	Principles of Leadership
MLSC 301	Fundamentals of Tactical Operations (ROTC only) ¹
MLSC 302	Advanced Military Skills (ROTC only) ¹
MLSC 350	ROTC Advanced Leadership Practicum (ROTC only) ¹
MLSC 401	Leadership Dimensions and Concepts (ROTC only) ¹
MLSC 402	Officership and the Profession of Arms (ROTC only) ¹
NLPA 120	Civic Engagement and Community Decision-Making
NLPA 305	Financial Best Practices for Decision Makers
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising
PCRM 211	Outdoor Leadership
PCRM 342	Group Facilitation and Leadership
PHIL 123	Ethics
PHIL 325	Medical/Health Care Ethics
PHIL 326	Business Ethics
PHIL 338	Ethics, Technology, and the Future
POLI 103	International Relations
POLI 255	Introduction to Public Policy
SFMG 118	Introduction to Safety

SFMG 448	Management and Integration of Safety
SFMG 488	Safety Training and Development
SPMT 196	Global Sport Management
SOWK 105	Human Diversity
SOWK 357	Social Work Practice with Organizations and Communities
Subtotal	15
Total Hours	18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

¹ ROTC students must complete 19 credits in MLSC 301, MLSC 302, MLSC 350, MLSC 401, and MLSC 402.

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PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Leadership (98C)

This program is effective as of Summer 2024

Revised 09.23.2025

UCC 02.13.2024

Modern Languages

Programs

Majors

- Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Cultural Area Studies (p. 711)
- Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in French (p. 714)
- Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Professional French (p. 717)
- Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Spanish (p. 720)
- Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Professional Spanish (p. 723)

Minors

- Arabic, Minor (p. 706)
- Asian Studies, Minor (p. 707)
- French, Minor (p. 708)
- Professional French, Minor (p. 726)
- Professional Japanese, Minor (p. 726)
- Professional Spanish, Minor (p. 727)
- Spanish, Minor (p. 728)

Certificates

- Asian Studies, Certificate (p. 707)
- Global Learning and Cultural Competence - Japanese Studies, Certificate (p. 709)
- Global Learning and Cultural Competence - Professional Spanish, Certificate (p. 709)
- Latin American Studies, Certificate (p. 710)
- Middle Eastern Studies, Certificate (p. 710)
- Spanish Language & Cultural Awareness for Healthcare, Certificate (p. 727)

Arabic, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (an upper division course includes any 3 credit course that requires a pre-requisite)
- A minor shall be no fewer than 18 credits.
- Minimum 2.0 CGPA

Code	Title	Hours
Required Courses		
ARAB 101	Arabic Language and Culture I ¹	3
ARAB 102	Arabic Language and Culture II ¹	3
ARAB 103	Arabic Language and Culture III ¹	3
ARAB 202	Intermediate Arabic I ¹	3
Select two of the following:		6
ARAB 300	Reading & Writing in Arabic ¹	
ARAB 301	Arabic Conversation I ¹	
ARAB 315	Arabic Study Abroad ¹	
Total Hours		18

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ARABIC (03A)

This program is effective as of Fall 2019

Revised 04.09.2020

UCC 3.26.2019

Asian Studies, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES:

1. Develop the ability to use interdisciplinary approaches to engage research questions and issues, particularly with regards to Asian Nations such as China, India, and Japan. (U02; U04; U09)
2. Develop diverse perspectives to understand today's world by connecting the diverse cultures of Asian countries to the United States and the rest of the world. (U02; U05; U008; U009)
3. Gain appreciation and respect for cultural diversity. (U05; U08; U09)
4. Evaluate the history, religion, culture, politics, and/or language of Asian nations in order to show its importance to the world. (U02; U010)
5. Develop effective communication skills for communicating toward and about Asian nations. (U01; U09)

RELATED LINKS

Asian Studies, Certificate Program Page (<https://www.sru.edu/academics/certificates/asian-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Electives		
Students cannot take more than six credits from any one prefix.		
Select 4 from the following:		12
CHIN 101	Chinese Language and Culture I ¹	
CHIN 102	Chinese Language and Culture II ¹	
CHIN 103	Chinese Language and Culture III ¹	
ENGL 248	Asian Literature ¹	
ENGL 316	Asian Film ¹	
GES 303	Asia ¹	
HIST 376	Modern Japan ¹	
HIST 381	East Asian Military Traditions ¹	
HIST 382	Modern Asian Pacific Rim ¹	

HIST 386	Modern China ¹	
INDP 360	Issues in Asia; Women in Asian Societies ¹	
JAPN 101	Japanese Language and Culture I ¹	
JAPN 102	Japanese Language and Culture II ¹	
JAPN 103	Japanese Language and Culture III ¹	
JAPN 215	Topics in Japanese Culture ¹	
JAPN 305	Japanese Popular Culture ¹	
JAPN 330	Samurai Culture Through Film ¹	
KORN 101	Korean Language and Culture I ¹	
KORN 102	Korean Language and Culture II ¹	
KORN 103	Korean Language and Culture III ¹	
MODL 105	Introduction to Asian Civilizations ¹	
MODL 180	Introduction to World Cultures (Asian topics only) ¹	
PHIL 140	World Religions ¹	
PHIL 343	Asian Philosophy ¹	
Total Hours		12

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Asian Studies (5ASN)/CIM 546

Effective Summer 2025

Revised 07.14.2025

UCC 04.15.2025

Asian Studies, Minor

Students from any major can take courses in Asian Studies to fulfill the Diversity/Rock Studies Requirement Block such as Asian Literature, which is one of the Core courses required to complete the Asian Studies Minor.

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. Demonstrate basic language and cultural proficiency in Chinese, Japanese, or Korean. (SLO 1, 2, 9)
2. Develop the ability to use interdisciplinary approaches to engage research questions and issues, particularly with regards to Asian Nations such as China, India, and Japan. (SLO 2, 4, 9)

- 3. Develop diverse perspectives to understand today's world by connecting the diverse cultures of Asian countries to the United States and the rest of the world. (SLO 2, 5, 8, 9)
- 4. Gain appreciation and respect for cultural diversity. (SLO 5, 8, 9)
- 5. Evaluate the history, religion, culture, politics, and/or language of Asian nations in order to show its importance to the world. (SLO 2, 10)
- 6. Develop effective communication skills for communicating toward and about Asian nations. (SLO 1, 9)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Courses		
Students cannot take more than six credits from any one prefix.		
Select three of the following:		9
ENGL 248	Asian Literature	
ENGL 316	Asian Film	
GES 303	Asia	
HIST 376	Modern Japan	
HIST 381	East Asian Military Traditions	
HIST 382	Modern Asian Pacific Rim	
HIST 386	Modern China	
INDP 360	Issues in Asia; Women in Asian Societies	
JAPN 215	Topics in Japanese Culture	
JAPN 305	Japanese Popular Culture	
JAPN 330	Samurai Culture Through Film	
MODL 105	Introduction to Asian Civilizations	
PHIL 140	World Religions	
PHIL 343	Asian Philosophy	
Required Third Semester Proficiency		
Select three courses from Chinese, Korean, or Japanese of the following:		9
CHIN 101	Chinese Language and Culture I ¹	
CHIN 102	Chinese Language and Culture II ¹	
CHIN 103	Chinese Language and Culture III ¹	
CHIN 202	Intermediate Chinese I ¹	
JAPN 101	Japanese Language and Culture I ¹	
JAPN 102	Japanese Language and Culture II ¹	
JAPN 103	Japanese Language and Culture III ¹	
JAPN 202	Intermediate Japanese I ¹	

KORN 101	Korean Language and Culture I ¹
KORN 102	Korean Language and Culture II ¹
KORN 103	Korean Language and Culture III ¹
KORN 202	Intermediate Korean I ¹
Total Hours	
18	

¹ A grade of “C” or better is required.
* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions
Minor in Asian Studies (54C)
This program is effective as of Summer 2025
Revised 06.10.2025
UCC 04.15.2025

French, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
FREN 101	French Language and Culture I ¹	3
FREN 102	French Language and Culture II ¹	3
FREN 103	French Language and Culture III ¹	3
Select one course from the following:		3
FREN 201	French Conversation I ¹	
FREN 220	Reading in French ¹	

Select two FREN courses at the 300/400 level ¹	6
Total Hours	18

¹ A grade of "C" or better is required

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN FRENCH (28A)

This program is effective as of Summer 2024

UCC 04.01.2025

Revised: 05.27.2025

Global Learning and Cultural Competence - Japanese Studies, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Global Learning and Cultural Competence - Japanese Studies, Certificate Program Page (<https://www.sru.edu/academics/certificates/japanese-studies-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required Core Courses		
JAPN 101	Japanese Language and Culture I ¹	3
JAPN 102	Japanese Language and Culture II ¹	3
JAPN 103	Japanese Language and Culture III ¹	3
Electives		
Select 2 classes from the following:		6
JAPN 202	Intermediate Japanese I ¹	
JAPN 215	Topics in Japanese Culture	
JAPN 300	Reading & Writing Japanese	
JAPN 303	Professional Japanese	

JAPN 305	Japanese Popular Culture
JAPN 315	Japanese Study Abroad
JAPN 330	Samurai Culture Through Film
ENGL 248	Asian Literature
ENGL 316	Asian Film
ENGL 402	World Literature (by Advisement)
HIST 376	Modern Japan
HIST 381	East Asian Military Traditions
HIST 382	Modern Asian Pacific Rim
INDP 310	Cultural Area Studies
INDP 310	Cultural Area Studies
INDP 360	Issues in Asia; Women in Asian Societies
MODL 105	Introduction to Asian Civilizations
PHIL 140	World Religions (by Advisement)
Total Hours	15

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN GLOBAL LNG & CULTURAL COMP - JAPANESE STUDIES (5GCJ)

This program is effective as of Summer 2022

Revised 07.08.2022

UCC 11.30.2021

Global Learning and Cultural Competence - Professional Spanish, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Global Learning and Cultural Competence - Professional Spanish, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/languages-literatures-cultures-and-writing/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required Core Courses		
SPAN 101 or SPAN 110 or SPAN 121 or SPAN 131	Spanish Language & Culture I Spanish for Educators Spanish for Health Professionals Spanish for the Business World	3
SPAN 102	Spanish Language & Culture II ¹	3
SPAN 103 or SPAN 104	Spanish Language & Culture III Situational Spanish	3
Electives		
Select six credits:		6
SPAN 200	Writing in Spanish for the Professions I ¹	
SPAN 201	Speaking in Spanish for the Professions I ¹	
SPAN 215	Topics in Hispanic Culture	
Total Hours		15

¹ A grade of "D" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN GLOBAL LEARNING & CULTURAL COMPETENCE-
PROFESSIONAL SPANISH (5GCS)

This program is effective as of Summer 2022

UCC 10.05.2021

Revised 03.31.2022

Latin American Studies, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Latin American Studies, Certificate Program Page (<https://www.sru.edu/academics/certificates/latin-american-studies-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

- **Please Note: Based on the Placement Test administered by the Department of Modern Languages and Cultures, a student may exempt any or all of the courses at the 100 and 200 levels.**

Code	Title	Hours
Required Courses		
Select three of the following:		15
SPAN 307	U.S. Latino Cultures ¹	
SPAN 326	The Civilization of Spanish America: Precolumbian to 19th Century ¹	
SPAN 328	Latin American Today ¹	
ENGL 246	U.S. Latino/a Literatures	
SPAN 332	Spanish American Literature - 19th Century to Present ¹	
SPAN 432	Exploring Latin American Cultures through Media ¹	
GES 201	Latin America and the Caribbean	
HIST 351	Latin America to 1830	
HIST 352	Latin America Since 1830	
Total Hours		15

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN LATIN AMERICAN STUDIES (554L)

This program is effective as of Spring 2019

Revised 10-2019

Middle Eastern Studies, Certificate

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Middle Eastern Studies, Certificate Program Page (<https://www.sru.edu/academics/certificates/middle-eastern-studies-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

UCC 03.05.20
Revised 09.23.2025

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Core Courses		
ARAB 101	Arabic Language and Culture I ¹	3
ARAB 102	Arabic Language and Culture II ¹	3
ARAB 103	Arabic Language and Culture III ¹	3
ARAB 215	Topics in Arabic Culture ¹	3
Subtotal		12
Electives		
Select three credits the following:		3
ARAB 202	Intermediate Arabic I ¹	
ARAB 315	Arabic Study Abroad	
CRIM 328	Transnational Crime & Justice	
CRIM 380	Women & the Criminal Justice System	
HIST 370	History and the Bible	
HIST 371	History of Jews	
HIST 380	Egyptology	
HIST 462	The Contemporary Middle East	
HIST 463	Israel-History, State and Society	
HSS 441	Terrorism, Law and National Security	
INDP 310	Cultural Area Studies	
PHIL 140	World Religions	
POLI 103	International Relations	
POLI 220	Foreign Policy	
POLI 263	Introduction to Comparative Politics	
POLI 350	Transnational Terrorism	
POLI 369	Politics of Developing Areas	
Total Hours		15

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN MIDDLE EASTERN STUDIES (5MES)

This program is effective as of Fall 2020

Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Cultural Area Studies

Program Learning Outcomes

- **Communication:** Communicate in other language than English
 - Standard 1.1: Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - Standard 1.2: Students understand and interpret written and spoken language on a variety of topics.
 - Standard 1.3: Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
- **Communities:** Participate in multilingual communities at home & around the world
 - Standard 5.1: Students use the language both within and beyond the school setting.
 - Standard 5.2: Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.
- **Comparisons:** Develop insight into the nature of language and culture
 - Standard 4.1: Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
 - Standard 4.2: Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.
- **Connections:** Connect with other disciplines and acquire information
 - Standard 3.1: Students reinforce and further their knowledge of other disciplines through the foreign language.
 - Standard 3.2: Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures.
- **Cultures:** Gain knowledge and understanding of other cultures
 - Standard 2.1: Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.
 - Standard 2.2: Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

Related Links

Modern Languages and Cultures - Cultural Area Studies, BA Program Page (https://www.sru.edu/programs/undergrad-modern-languages-and-cultures/#tab_sec1)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major/Concentration Requirements		36
Electives		42

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 17 major credits must be taken at SRU or PASSHE
- 17 major credits must be taken at the 300 level or above (Adviser approved courses)
- Courses used in this major may not be used to satisfy Rock Studies 2, a minor, or another major's requirements.
- A student must have earned 30 credits and a 2.0 GPA to enter the program.
- AP, Credit by Exam, CLEP, and institutional credit by exam may count towards the degree to a maximum of 45 credits. Pass/Fail and non-credit courses will not be counted in the major.

Code	Title	Hours
Oral and Written Communication		
Select two of the following:		6
COMM 217	Intercultural Communication ¹	
GES 105	World Regional Geography ¹	
POLI 103	International Relations ¹	
Analytical, Quantitative & Critical Thinking Skills		
Select one of the following courses approved for your cultural area:		3
HIST 151	Ancient World to the Age of Global Encounters ¹	
HIST 152	Early Modern to Contemporary World ¹	
INDP 106	Race and Ethnic Diversity in the USA ¹	
INDP 310	Cultural Area Studies ¹	
INDP 322	Archaeology of the Americas ¹	
MODL 105	Introduction to Asian Civilizations ¹	
Select one of the following:		3
INDP 317	Statistics for the Social Sciences ¹	

INDP 318	Research Methods in Interdisciplinary Studies ¹	
Subtotal		12
Emphasis Area		
Courses selected by advisement		
<i>Part I: Primary Cultural Area –America, Asia, Europe, Latin America or Middle East</i>		
Select five courses in the following categories: Foundations, Culture and Society, History, Current Issues		15
<i>Part II: Electives</i>		
Select three electives		9
Subtotal		24
Total Hours		36

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Experiential Learning Experience

Must complete 40 hours of experiential learning activities which are approved by the Academic Adviser. Please consult with your Adviser for details of the options available.

Code	Title	Hours
	Experiential Learning Activities	40

Co-curricular and Experiential Learning

The department of Modern Languages encourages students to engage in the following areas to deepen their educational experience:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Field Experiences
9. Volunteering (schools, world language competition, language clubs, communities)

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PASSHE - Pennsylvania State System of Higher Education Institutions

MODERN LANGUAGES AND CULTURES - BA (5 45)

Concentration in Cultural Area Studies (CAST)

This program is effective as of Fall 2019

Revised 09.23.2025

UCC RISP 2019

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
Modern Language Requirement I		3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ⁴	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
Modern Language Requirement II		3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15
Second Year		
Fall		
COMM 217	Intercultural Communication ¹	3
HIST 151	Ancient World to the Age of Global Encounters ²	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Modern Language Requirement III		3
ENGL 104	Critical Reading	3
Declare a Thematic Thread ³		
Hours		15
Spring		
COMM 217	Intercultural Communication ¹	3
HIST 151	Ancient World to the Age of Global Encounters ²	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
Major Emphasis Area Course		3
Major Emphasis Area Course		3
Major Emphasis Area Course		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15

Spring

INDP 317 or INDP 318	Statistics for the Social Sciences or Research Methods in Interdisciplinary Studies	3
Major Emphasis Area Course		3
Major Emphasis Area Course		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15

Fourth Year**Fall**

Major Emphasis Area Course	3
Major Emphasis Area Course	3
Rock Studies 2 Requirement (p. 19)	3
Rock Studies 2 Requirement (p. 19)	3
Elective	3
Hours	15

Spring

Major Emphasis Area Course	3
Major Emphasis Area Course	3
Elective	3
Elective	3
Elective	3
Hours	15
Total Hours**	121

¹ And/or GES 105 (F), World Regional Geography, and/or POLI 103 (F), International Relation.

² And/or HIST 152, Rise of the Modern World (European) and/or INDP 106, Race and Ethnic Diversity (Asian Studies) and/or INDP 310, Cultural Area Studies-Middle East and/or INDP 322 Archeology of the Americas (Latin Am) and/or MODL 105, Intro to Asian Civilizations (Asian Studies).

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 45

Concentration Code: CAST

Revised: 09.24.2025

Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in French

Program Learning Outcomes

- **Communication:** Communicate in other language than English
 - Standard 1.1: Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - Standard 1.2: Students understand and interpret written and spoken language on a variety of topics.
 - Standard 1.3: Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
- **Communities:** Participate in multilingual communities at home & around the world
 - Standard 5.1: Students use the language both within and beyond the school setting.
 - Standard 5.2: Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.
- **Comparisons:** Develop insight into the nature of language and culture
 - Standard 4.1: Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
 - Standard 4.2: Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.
- **Connections:** Connect with other disciplines and acquire information
 - Standard 3.1: Students reinforce and further their knowledge of other disciplines through the foreign language.
 - Standard 3.2: Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures.
- **Cultures:** Gain knowledge and understanding of other cultures
 - Standard 2.1: Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.
 - Standard 2.2: Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

RELATED LINKS

Modern Languages and Cultures - French, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/french/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	30
	Electives	48

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 15 major credits must be taken at SRU or PASSHE
- 15 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Skill Courses		
Exemption from the basic skills courses may be possible based on a placement exam given by the Modern Languages Department. Both English and Native French speakers should consult the Modern Languages and Cultures Department for information.		
FREN 103	French Language and Culture III ^{1,2}	3
FREN 201	French Conversation I ^{1,2}	3
FREN 220	Reading in French ^{1,2}	3
Subtotal		9
Required French Courses		
FREN 300	French Grammar and Composition I ^{1,2}	3
FREN 330	French Literature from the 18th Century to the Present ^{1,2}	3
FREN 350	French Linguistics and Phonetics ^{1,2}	3
FREN 400	French Grammar and Composition II ^{1,2}	3
Subtotal		12

Required Literature Course

Select one of the following:		3
FREN 404	Exploring French Culture through Media ^{1,2}	
FREN 430	French Literature 12th to 17th Century ^{1,2}	

Required Civilization Course

Select one of the following:		3
FREN 305	France through the Ages ^{1,2}	
FREN 306	France and Francophone Identities Today ^{1,2}	

Required Conversation Course

Select one of the following: 3

FREN 301 French Conversation 2 ^{1,2}FREN 401 French Conversation 3 ^{1,2}**Electives at the 300 level and above**

If any of the basic skill courses are waived, choose as many electives as necessary to reach a total of 30 credits in the major. 0-9

Required Capstone Project

See Advisor for specific information related to requirements

Study Abroad

Study Abroad is highly recommended. Please see advisor for information.

Total Hours 30¹ Course counts for 50% of Major requirements and Major GPA.² A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

The department of Modern Languages encourages students to engage in the following areas to deepen their educational experience:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Field Experiences
9. Volunteering (schools, world language competition, language clubs, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MODERN LANGUAGES AND CULTURES - BA (5 45)

Concentration in French (FREN)

This program is effective as of Fall 2019

Revised 09.23.2025

UCC RISP 2019

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
FREN 101	French Language and Culture I	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
FREN 102	French Language and Culture II	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15
Second Year		
Fall		
FREN 103	French Language and Culture III	3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Declare a Thematic Thread ¹		
Hours		15
Spring		
FREN 220	Reading in French	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Elective		3
Hours		15
Third Year		
Fall		
FREN 201	French Conversation 1	3
Elective		3
Elective		3
Elective		3
Elective		3
Hours		15
Spring		
FREN 300	French Grammar and Composition 1	3
FREN 301	French Conversation 2	3
or FREN 401	or French Conversation 3	
Elective		3
Elective		3
Elective		3
Hours		15

Fourth Year**Fall**

FREN 400	French Grammar and Composition 2	3
FREN 305 or FREN 306	France through the Ages or France and Francophone Identities Today	3
Elective		3
Elective		3
Elective		3
Hours		15

Spring

FREN 330	French Literature from the 18th Century to the Present	3
FREN 350	French Linguistics and Phonetics	3
FREN 404 or FREN 430	Exploring French Culture through Media or French Literature 12th to 17th Century	3
Elective		3
Elective		3
Hours		15
Total Hours**		121

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

² Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 45

Concentration Code: FREN

Revised: 11-2019

Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Professional French

Program Learning Outcomes

- **Communication:** Communicate in other language than English
 - Standard 1.1: Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - Standard 1.2: Students understand and interpret written and spoken language on a variety of topics.
 - Standard 1.3: Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
- **Communities:** Participate in multilingual communities at home & around the world
 - Standard 5.1: Students use the language both within and beyond the school setting.

- Standard 5.2: Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.
- **Comparisons:** Develop insight into the nature of language and culture
 - Standard 4.1: Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
 - Standard 4.2: Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.
- **Connections:** Connect with other disciplines and acquire information
 - Standard 3.1: Students reinforce and further their knowledge of other disciplines through the foreign language.
 - Standard 3.2: Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures.
- **Cultures:** Gain knowledge and understanding of other cultures
 - Standard 2.1: Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.
 - Standard 2.2: Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

RELATED LINKS

Modern Languages and Cultures - Professional French, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/professional-french-modern-languages-and-cultures/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	30
	Electives	48

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
	Select one of the following:	3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 15 major credits must be taken at SRU or PASSHE
- 15 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Skill Courses		
Exemption from the basic skills courses may be possible based on a placement exam given by the Modern Languages Department. Both English and Native French speakers should consult the Modern Languages and Cultures Department for information. CLEP, AP, and OPI credits are accepted for some of the following courses.		
FREN 102	French Language and Culture II ^{1,2}	3
FREN 103	French Language and Culture III ^{1,2}	3
FREN 201	French Conversation 1 ^{1,2}	3
FREN 220	Reading in French ^{1,2}	3
Subtotal		12
Required French Courses		
FREN 300	French Grammar and Composition 1 ^{1,2}	3
FREN 301	French Conversation 2 ^{1,2}	3
or FREN 401	French Conversation 3	
FREN 303	Professional French ^{1,2}	3
Select one of the following:		3
FREN 305	France through the Ages ^{1,2}	
FREN 306	France and Francophone Identities Today ^{1,2}	
FREN 350	French Linguistics and Phonetics ^{1,2}	3
FREN 400	French Grammar and Composition 2 ^{1,2}	3
Subtotal		18
French Electives – 300 level and above		
For students who exempt from Basic Skills. (Choose as many electives as necessary to reach 30 credits).		0-12
Total Hours		30

¹ Course counts for 50% of Major requirements and Major GPA

² A grade of “C” or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Requirements

Code	Title	Hours
Course and Explanation		
<i>Major, Minor or Certificate</i>		
Student must complete a Minor or Major or Certificate in any other discipline:		
Completed a Minor in a Selected Field of Study or a Major or Certificate in any other discipline		
<i>Non Credit Requirement</i>		
Student must select one of the following:		

Students' research must be conducted in their minor area or second major and the final product will be a written paper and an oral presentation using the French language.

Students can choose from three (3) options to complete the Capstone Experience requirement: Internship Presentation, Study Abroad Presentation or Research Presentation, depending on their area of interest.

The Internship Experience must be approved by the Modern Language and Cultures chair and the student's advisor in Modern Languages.

Co-curricular and Experiential Learning

The department of Modern Languages encourages students to engage in the following areas to deepen their educational experience:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Field Experiences
9. Volunteering (schools, world language competition, language clubs, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MODERN LANGUAGES AND CULTURES - BA (5 45)

Concentration in Professional French (FRPR)

This program is effective as of Fall 2019

Revised 09.23.2025

UCC RISP 2019

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
FREN 101	French Language and Culture I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
FREN 102	French Language and Culture II	3

Rock Studies 2 Requirement (p. 19)	3
Rock Studies 2 Requirement (p. 19)	3
Rock Studies 2 Requirement (p. 19)	3
Rock Studies 2 Requirement (p. 19)	3

Hours 15

Second Year

Fall

FREN 103	French Language and Culture III	3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Elective		3

Declare a Thematic Thread ¹

Hours 15

Spring

FREN 220	Reading in French	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3

Hours 15

Third Year

Fall

FREN 201	French Conversation 1	3
Minor		3
Minor		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3

Hours 15

Spring

FREN 300	French Grammar and Composition 1	3
FREN 301	French Conversation 2	3
Minor		3
Minor		3
Elective		3

Hours 15

Fourth Year

Fall

FREN 303	Professional French	3
FREN 305 or FREN 306	France through the Ages or France and Francophone Identities Today	3
FREN 400	French Grammar and Composition 2	3
Minor		3
Elective		3

Hours 15

Spring

FREN 350	French Linguistics and Phonetics	3
Minor		3
Minor		3
Elective		3

Elective	3
Hours	15
Total Hours**	121

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

² Course offered in multiple subjects; cannot take course in first major subject..

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 45

Concentration Code: FRPR

Revised: 11-2019

Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Spanish

Program Learning Outcomes

- **Communication:** Communicate in other language than English
 - Standard 1.1: Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - Standard 1.2: Students understand and interpret written and spoken language on a variety of topics.
 - Standard 1.3: Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
- **Communities:** Participate in multilingual communities at home & around the world
 - Standard 5.1: Students use the language both within and beyond the school setting.
 - Standard 5.2: Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.
- **Comparisons:** Develop insight into the nature of language and culture
 - Standard 4.1: Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
 - Standard 4.2: Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.
- **Connections:** Connect with other disciplines and acquire information
 - Standard 3.1: Students reinforce and further their knowledge of other disciplines through the foreign language.
 - Standard 3.2: Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures.
- **Cultures:** Gain knowledge and understanding of other cultures
 - Standard 2.1: Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.

- Standard 2.2: Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

RELATED LINKS

Modern Languages and Cultures - Spanish, BA Program Page (https://www.sru.edu/programs/undergrad-modern-languages-and-cultures/#tab_sec4)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major/Concentration Requirements		30
Electives		48

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3

Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 15 major credits must be taken at SRU or PASSHE
- 15 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Skill Courses		
Exemption from the basic skills courses may be possible based on the placement exam given by Modern Languages. CLEP, AP and OPI credits are accepted for some of the following courses.		
SPAN 103 or SPAN 104	Spanish Language & Culture III ⁴ Situational Spanish	3
SPAN 200	Writing in Spanish for the Professions I ^{1,2}	3
SPAN 201	Speaking in Spanish for the Professions I ^{1,2}	3
SPAN 220	Understanding Hispanic Cultures Through Reading ^{1,2}	3
Subtotal		12

Required Spanish Grammar Courses		
SPAN 300	Writing in Spanish for the Professions II ^{1,2}	3
SPAN 301	Speaking in Spanish for the Professions II ^{1,2}	3
SPAN 400	Writing in Spanish for the Professions III ^{1,2}	3
SPAN 401	Speaking in Spanish for the Professions III ^{1,2}	3
Subtotal		12
Required Spanish Civilization Course		
Select one of the following:		3
SPAN 305	Spain Today ^{1,2}	
SPAN 307	U.S. Latino Cultures ^{1,2}	
SPAN 326	The Civilization of Spanish America: Precolumbian to 19th Century ^{1,2}	
SPAN 328	Latin American Today ^{1,2}	
Subtotal		3
Required Spanish Literature Course (300 & 400 Level)		
Select three credits from the following:		3
SPAN 330	Spanish Literature 1800 to Present ^{1,2}	
SPAN 332	Spanish American Literature - 19th Century to Present	
SPAN 431	Exploring Spanish Culture through Media ^{1,2}	
SPAN 432	Exploring Latin American Cultures through Media	
Subtotal		3
Electives at the 300 level and above		
Select zero to nine credits of SPAN electives at 300 level and above ^{1,2,3}		0-9
Required Capstone Project		
See Advisor for specific information related to requirements		
Study Abroad - Optional		
See Advisor for details		
Total Hours		30

¹ Course counts for 50% of Major requirements and Major GPA.

² A grade of "C" or better is required.

³ Except SPAN 302, SPAN 309 or SPAN 335.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

⁴ Criminology and Homeland Security majors may take SPAN 104 in place of SPAN 103

Co-curricular and Experiential Learning

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1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships

8. Field Experiences
9. Volunteering (schools, world language competition, language clubs, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MODERN LANGUAGES AND CULTURES - BA (5 45)

Concentration in Spanish (SPAN)

This program is effective as of Fall 2020

Revised 09.23.2025

UCC 09.15.20

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
SPAN 101	Spanish Language & Culture I	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
SPAN 102	Spanish Language & Culture II	3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15
Second Year		
Fall		
SPAN 103 or SPAN 104	Spanish Language & Culture III or Situational Spanish	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Declare a Thematic Thread ¹		
Hours		15
Spring		
SPAN 200	Writing in Spanish for the Professions I	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3

Elective		3
Adding a Minor is Recommended		
Hours		15
Third Year		
Fall		
SPAN 201	Speaking in Spanish for the Professions I	3
SPAN 220	Understanding Hispanic Cultures Through Reading	3
SPAN 300	Writing in Spanish for the Professions II	3
Elective or Minor		3
Elective or Minor		3
Hours		15
Spring		
SPAN 301	Speaking in Spanish for the Professions II	3
SPAN 305 or SPAN 328	Spain Today or Latin American Today	3
Elective or Minor		3
Elective or Minor		3
Elective or Minor		3
Hours		15
Fourth Year		
Fall		
SPAN 400	Writing in Spanish for the Professions III	3
Elective		3
Elective		3
Elective		3
Elective		3
Hours		15
Spring		
SPAN 401	Speaking in Spanish for the Professions III	3
SPAN 431 or SPAN 432	Exploring Spanish Culture through Media or Exploring Latin American Cultures through Media	3
Elective		3
Elective		3
Elective		3
Hours		15
Total Hours**		121

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

² Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 45

Concentration Code: SPAN

Revised: 04.20.2023

Modern Languages and Cultures, Bachelor of Arts (BA) - Concentration in Professional Spanish

Program Learning Outcomes

- **Communication:** Communicate in other language than English
 - Standard 1.1: Students engage in conversations, provide and obtain information, express feelings and emotions, and exchange opinions.
 - Standard 1.2: Students understand and interpret written and spoken language on a variety of topics.
 - Standard 1.3: Students present information, concepts, and ideas to an audience of listeners or readers on a variety of topics.
- **Communities:** Participate in multilingual communities at home & around the world
 - Standard 5.1: Students use the language both within and beyond the school setting.
 - Standard 5.2: Students show evidence of becoming life-long learners by using the language for personal enjoyment and enrichment.
- **Comparisons:** Develop insight into the nature of language and culture
 - Standard 4.1: Students demonstrate understanding of the nature of language through comparisons of the language studied and their own.
 - Standard 4.2: Students demonstrate understanding of the concept of culture through comparisons of the cultures studied and their own.
- **Connections:** Connect with other disciplines and acquire information
 - Standard 3.1: Students reinforce and further their knowledge of other disciplines through the foreign language.
 - Standard 3.2: Students acquire information and recognize the distinctive viewpoints that are only available through the foreign language and its cultures.
- **Cultures:** Gain knowledge and understanding of other cultures
 - Standard 2.1: Students demonstrate an understanding of the relationship between the practices and perspectives of the culture studied.
 - Standard 2.2: Students demonstrate an understanding of the relationship between the products and perspectives of the culture studied.

RELATED LINKS

Modern Languages and Cultures - Professional Spanish, BA Program Page (https://www.sru.edu/programs/undergrad-modern-languages-and-cultures/#tab_sec5)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	30
	Electives	48

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 15 major credits must be taken at SRU or PASSHE
- 15 major credits must be taken at the 300 level or above

Code	Title	Hours
Basic Skill Courses or 300/400 Spanish Electives		
Exemption from the basic skills courses may be possible based on a placement exam given by the Modern Languages Department. CLEP, AP and OPI credits are accepted for some of the following courses.		
SPAN 103 or SPAN 104	Spanish Language & Culture III ^{1,2,4} Situational Spanish	3
SPAN 200	Writing in Spanish for the Professions I ^{1,2}	3
SPAN 201	Speaking in Spanish for the Professions I ^{1,2}	3
SPAN 220	Understanding Hispanic Cultures Through Reading ^{1,2}	3
Subtotal		12
Required Spanish Courses		
SPAN 300	Writing in Spanish for the Professions II ^{1,2}	3
SPAN 301	Speaking in Spanish for the Professions II ^{1,2}	3
SPAN 303	Developing Communicative and Cultural Competence for the Workplace ^{1,2}	3
SPAN 400	Writing in Spanish for the Professions III ^{1,2}	3
SPAN 401	Speaking in Spanish for the Professions III ^{1,2}	3
Subtotal		15
Literature and Culture Courses		
Select one of the following:		3
SPAN 302	Communication in Spanish for the Elementary Classroom ^{1,2}	

SPAN 305	Spain Today ^{1,2}
SPAN 307	U.S. Latino Cultures ^{1,2}
SPAN 309	Hispanic Civilization for the K-12 Classroom ^{1,2}
SPAN 318	Hispanic Children's Literature for the K-12 Classroom ^{1,2}
SPAN 326	The Civilization of Spanish America: Precolumbian to 19th Century ^{1,2}
SPAN 328	Latin American Today ^{1,2}
SPAN 330	Spanish Literature 1800 to Present ²
SPAN 332	Spanish American Literature - 19th Century to Present ²
SPAN 350	The Sounds of Spanish ²
SPAN 431	Exploring Spanish Culture through Media ²
SPAN 432	Exploring Latin American Cultures through Media ²

Electives at the 300 level and above	
Select zero to nine credits: ^{1,2,3}	0-9
Total Hours	30

- ¹ Course counts for 50% of Major requirements and Major GPA
- ² A grade of "C" or better is required.
- ³ Except SPAN 302, SPAN 309 or SPAN 335
- ⁴ Criminology and Homeland Security majors may take SPAN 104 in place of SPAN 103
- * Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Additional Requirements

Code	Title	Hours
Course and Explanation		
Major, Minor or Certificate		
Student must complete a Minor or Major or Certificate in any other discipline:		
Completed a Minor in a Selected Field of Study or a Major or Certificate in any other discipline		
Non Credit Requirement		
Student must select one of the following:		
Students' research must be conducted in their minor area or second major and the final product will be a written paper and an oral presentation using the French language.		
Students can choose from three (3) options to complete the Capstone Experience requirement: Internship Presentation, Study Abroad Presentation or Research Presentation, depending on their area of interest.		
The Internship Experience must be approved by the Modern Language and Cultures chair and the student's advisor in Modern Languages.		

Co-curricular and Experiential Learning

The department of Modern Languages encourages students to engage in the following areas to deepen their educational experience:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes

3. Student-faculty research
4. Student leadership development
5. Service-learning classes
6. Career education and development
7. Internships
8. Field Experiences
9. Volunteering (schools, world language competition, language clubs, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MODERN LANGUAGES AND CULTURES - BA (5 45)

Concentration in Professional Spanish (SPPR)

This program is effective as of Fall 2020

Revised 09.23.2025

UCC 09.15.20

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
SPAN 101	Spanish Language & Culture I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ²	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
SPAN 102	Spanish Language & Culture II	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Hours		15
Second Year		
Fall		
SPAN 103 or SPAN 104	Spanish Language & Culture III or Situational Spanish	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Declare a Thematic Thread ¹		
Hours		12

Spring

SPAN 201	Speaking in Spanish for the Professions I	3
SPAN 220	Understanding Hispanic Cultures Through Reading	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		15

Third Year

Fall

SPAN 200	Writing in Spanish for the Professions I	3
SPAN 301	Speaking in Spanish for the Professions II	3
Elective		3
Minor		3
Minor		3
Hours		15

Spring

SPAN 300	Writing in Spanish for the Professions II	3
Select one of the following:		3
SPAN 305	Spain Today	
SPAN 328	Latin American Today	
SPAN 431	Exploring Spanish Culture through Media	
SPAN 432	Exploring Latin American Cultures through Media	
Minor		3
Minor		3
Elective		3
Hours		15

Fourth Year

Fall

SPAN 400	Writing in Spanish for the Professions III	3
Minor		3
Minor		3
Elective		3
Elective		3
Hours		15

Spring

SPAN 303	Developing Communicative and Cultural Competence for the Workplace	3
SPAN 401	Speaking in Spanish for the Professions III	3
Elective		3
Elective		3
Elective		3
Hours		15
Total Hours**		118

¹ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

² Course offered in multiple subjects; cannot take course in first major subject.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 45
Concentration Code: SPPR
Revised: 10.06.20

Professional French, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor at SRU
- A minimum of 6 credit hours must be upper division at the 300/400 level.
- A minor shall be no fewer than 18 credits.
- No minimum number of credits from outside the student's major.
- Minimum 2.0 CGPA

Code	Title	Hours
Required French Courses		
FREN 102	French Language and Culture II ¹	3
FREN 103	French Language and Culture III ¹	3
FREN 201	French Conversation 1 ¹	3
FREN 220	Reading in French ¹	3
FREN 303	Professional French ¹	3
Select one (or more) of the following to reach 18 credits:		3
FREN 300	French Grammar and Composition 1 ¹	
FREN 301	French Conversation 2 ¹	
FREN 350	French Linguistics and Phonetics ¹	
Total Hours		18

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Professional French (28B)
This program is effective Spring 2019
Revised 04.09.2020

Professional Japanese, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. Communicate effectively in Japanese to a range of professional audiences. (SLO 1, 4, 8, 9)
2. Develop an ability to use professional Japanese principles in a variety of contexts, professions, and disciplines. (SLO 5)
3. Gain an appreciation and understanding of diverse perspectives through Japanese studies. (SLO 2, 5, 8, 9)
4. Develop a facility with Japanese proficiencies, intercultural competencies, and technology skills. (SLO 2, 5, 9, 10)
5. Enhance one's critical thinking skills in today's globalized work environment. (SLO 2, 4, 8, 9)

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (300/ 400 level)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Japanese Courses		
JAPN 101	Japanese Language and Culture I ¹	3
JAPN 102	Japanese Language and Culture II ¹	3
JAPN 103	Japanese Language and Culture III ¹	3
JAPN 303	Professional Japanese ¹	3
Select two (or more) of the following to reach 18 JAPN credits:		6
JAPN 202	Intermediate Japanese I ¹	
JAPN 300	Reading & Writing Japanese ¹	
JAPN 315	Japanese Study Abroad ¹	
Total Hours		18

¹ A grade of "C" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PROFESSIONAL JAPANESE (49A)

This program is effective Spring 2019

Revised 04.09.2020

Professional Spanish, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Exemption from SPAN 101, SPAN 102, SPAN 103, SPAN 200, SPAN 201, SPAN 220 courses may be possible based on the outcome of the placement exam given by the Modern Languages Department. Both English and Native Spanish speakers should consult the Modern Languages and Cultures for information. CLEP, AP and OPI credits are acceptable for SPAN 200, SPAN 201, SPAN 220.

Code	Title	Hours
Required Spanish Courses		
SPAN 103 or SPAN 104	Spanish Language & Culture III ¹ Situational Spanish	3
SPAN 200	Writing in Spanish for the Professions I ¹	3
SPAN 201	Speaking in Spanish for the Professions I ¹	3
SPAN 220	Understanding Hispanic Cultures Through Reading ¹	3
SPAN 302 or SPAN 303	Communication in Spanish for the Elementary Classroom Developing Communicative and Cultural Competence for the Workplace	3
Select one of the following electives: ¹		3
SPAN 300	Writing in Spanish for the Professions II	
SPAN 301	Speaking in Spanish for the Professions II	
SPAN 305	Spain Today	

SPAN 307	U.S. Latino Cultures
SPAN 309	Hispanic Civilization for the K-12 Classroom
SPAN 318	Hispanic Children's Literature for the K-12 Classroom
SPAN 328	Latin American Today
SPAN 330	Spanish Literature 1800 to Present
SPAN 332	Spanish American Literature - 19th Century to Present
SPAN 340	Introduction to Translation
SPAN 350	The Sounds of Spanish
SPAN 400	Writing in Spanish for the Professions III
SPAN 401	Speaking in Spanish for the Professions III
SPAN 431	Exploring Spanish Culture through Media
SEFE 323	Teaching World Languages
Total Hours	18

¹ A grade of "C" or better is required

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PROFESSIONAL SPANISH (84C)

Effective Fall 2020

Revised 07.01.2024

UCC 03.05.2020

Spanish Language & Cultural Awareness for Healthcare, Certificate PROGRAM LEARNING OUTCOMES

- Communication: Communicate in Languages Other Than English (SRU Outcome 1 and 9).
- Cultures: Gain knowledge and understanding of other cultures (SRU Outcomes 2, 3, 4 and 9).
- Connections: Connect with Other Disciplines and Acquire Information (SRU Outcome 5 and 9).
- Comparisons: Develop Insight into the Nature of Language and Culture (SRU Outcomes 5, 6, 7 and 9).
- Communities: Participate in Multilingual Communities at Home & Around the World (SRU Outcomes 5, 6, 8 and 9).

To access Certificate Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Spanish Language & Cultural Awareness for Healthcare, Minor Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/languages-literatures-cultures-and-writing/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.0 or higher

CERTIFICATE REQUIREMENTS

Code	Title	Hours
Required Core Courses		
SPAN 121	Spanish for Health Professionals	3
SPAN 122	Spanish for Health Professionals II	3
SPAN 123	Spanish for Health Professionals III	3
Electives		
Select three credits (1 class):		3
SPAN 200	Writing in Spanish for the Professions I ¹	
SPAN 201	Speaking in Spanish for the Professions I ¹	
SPAN 215	Topics in Hispanic Culture	
ENGL 327	Healthcare Writing	
Total Hours		12

¹ A grade of "D" or better is required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN Spanish Language & Cultural Awareness for Healthcare (5SLH)

This program is effective as of Fall 2023

UCC 11.29.2022

Revised 06.12.2023

Spanish, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

RELATED LINKS

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.
- Exemption from SPAN 101, SPAN 102, SPAN 103, SPAN 200, SPAN 201, SPAN 220 courses may be possible based on the outcome of the placement exam given by the Modern Languages Department. Both English and Native Spanish speakers should consult the Modern Languages and Cultures for information. CLEP, AP and OPI credits are acceptable for SPAN 200, SPAN 201, SPAN 220.

Code	Title	Hours
Required Spanish Courses		
SPAN 103	Spanish Language & Culture III ¹	3
SPAN 200	Writing in Spanish for the Professions I ¹	3
SPAN 201	Speaking in Spanish for the Professions I ¹	3
SPAN 220	Understanding Hispanic Cultures Through Reading ¹	3
Select two courses at the 300/400 Level (required) ¹		6
Select additional Spanish Courses to equal 18 credits in the Minor ²		
Total Hours		18

¹ A grade of "C" or better is required

² Any Spanish course except SPAN 101, SPAN 102, or SPAN 104.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN SPANISH (84A)

Effective Fall 2020

Revised 08.17.2020

UCC 03.05.2020

Music

Programs

Majors

- Commercial Music, Bachelor of Arts (BA) (p. 729)
- Music Education (PreK-12), Bachelor of Music (BM) (p. 735)
- Music Performance, Bachelor of Music (BM) (p. 746)
- Music Therapy, Bachelor of Music (BM) (p. 750)
- Music Therapy, Bachelor of Music (BM) - Pre-Master of Music Therapy (SRU) (3+2) (p. 756)
- Music, Bachelor of Arts (BA) (p. 760)

Minors

- Chamber Music Performance, Minor (p. 729)
- Music and Wellness, Minor (p. 734)
- Music Education, Minor (p. 741)
- Music Education: Early Childhood, Minor (p. 742)
- Music Education: Marching Arts, Minor (p. 743)
- Music History, Minor (p. 745)
- Music, Minor (p. 764)
- Music-Voice, Minor (p. 765)

Certificates

- Culturally Relevant and Sustaining Music Education, Certificate (p. 733)

Chamber Music Performance, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Music Performance Program Page (<https://www.sru.edu/academics/majors-and-minors/music-performance/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Foundations of Performance Coursework		
MUSI 203	Musician's Health	1
MUSI 204	Art and Science of Performing	1

Chamber Music Electives

Select 16 credits - at least 6 credits must be at 300/400 level; at least 12 chamber ensemble experiences are required 16

MUSI 109-409	Jazz Combo
MUSI 113-413	Saxophone Quartets
MUSI 117-417	Chamber Singers
MUSI 120-420	Jazz Ensemble
MUSI 122-422	Chamber String Ensemble
MUSI 123-423	Brass Ensemble
MUSI 125-425	Percussion Ensemble
MUSI 126-426	Flute Choir
MUSI 192-492	Tuba-Euphonium Ensemble
MUSI 193-493	Jazz Lab Band
MUSI 194-494	World Percussion Ensemble
MUSI 196-496	Winter Guard
MUSI 206	Fundamentals of Conducting ¹
MUSI 212	Fundamentals of Conducting Lab ¹
MUSI 239	Chamber Music Performance ¹
MUSI 237, 437	Opera Performance ¹
MUSI 360	Keyboard Improvisation ¹
MUSI 361	Instrumental Improvisation ¹
MUSI 406	Advanced Conducting ¹

Total Hours 18

¹ Four credits in Chamber Music electives may come from Chamber Music experiences.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN CHAMBER MUSIC PERFORMANCE (56F)

Revised 07.08.2024

UCC 02.16.2021

Commercial Music, Bachelor of Arts (BA)

Coming in Summer/Fall 2026

The Bachelor of Arts in Music at Slippery Rock University is a flexible **non-auditioned** degree designed for students who want to shape their own path in today's music industry. Students build a strong musical

foundation while choosing one of two programs that align with their interests and career goals.

- **BA in Commercial Music** – Focus on contemporary music-making through experiences in popular styles, audio/video production, entrepreneurship, and digital media. Students develop practical skills for careers in today's commercial music industry. In addition to taking the "music core" of theory, ear training, history, and ensembles, students will also study:
 - Audio Production I
 - Audio Production II
 - Video Production
 - Social Media
 - Music Production & Promotions I, II, III

Program Learning Outcomes

- **P01: Musical Analysis and Interpretation:** Students will demonstrate the ability to analyze and interpret the structural, theoretical, and historical elements of music both visually and aurally. (UO#2, UO#6)
- **P02: Performance Proficiency:** Students will perform on their primary instrument or voice type with technical mastery, artistic expression, and stylistic awareness across various genres and historical periods. (UO#5, UO#6)
- **P03: Collaborative Musicianship:** Students will collaborate effectively in musical ensembles and other group settings, demonstrating leadership, cooperation, and ensemble techniques to achieve shared creative goals. (UO#5, UO#7)
- **P04: Creative Musicianship:** Students will utilize creativity in composition, arrangement, improvisation, and performance, applying these skills in interdisciplinary and professional contexts such as performance, instruction, music business, or production. (UO#6, UO#5)
- **P05: Cultural and Historical Literacy:** Students will explore and appreciate music from different historical periods, cultures, and composers, recognizing the influence of social, cultural, and historical factors on music. (UO#6, UO#9)
- **P06: Technological Proficiency:** Students will utilize digital tools and platforms to enhance music performance, composition, analysis, and instruction, demonstrating adaptability in using technology in diverse professional settings. (UO#2, UO#6, UO#10)
- **P07: Communication and Critical Thinking:** Students will communicate ideas effectively in oral, written, and digital formats, and apply critical thinking in the analysis and discussion of music and its interdisciplinary connections. (UO#1, UO#2)

Related Links

Commercial Music, BA Program Page (https://www.sru.edu/programs/undergrad-music/#tab_sec1)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock 2 Studies Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (p. 19)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (p. 19)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (p. 19)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (p. 19) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Music Courses		
MUSI 151	Music Theory and Musicking I ^{1,2}	2
MUSI 253	Music Theory and Analysis II ^{1,2}	2
MUSI 154	Musicianship Skills I ^{1,2}	1
MUSI 256	Musicianship Skills II ^{1,2}	1
MUSI 131	Class Piano I ^{1,2}	1
MUSI 132	Class Piano II ^{1,2}	1
MUSI 203	Musician's Health ^{1,2}	1
MUSI 435	Music Entrepreneurship ^{1,2}	1
MUSI 473	History of Popular Musics ¹	3
MUSI 274	Music Production & Promotion I ^{1,2}	1
MUSI 475	Music Production & Promotion II ^{1,2}	4
MUSI 476	Music Production & Promotion III ^{1,2}	6
Subtotal		24

Ensemble Courses

Three semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester for 6 semesters. See Ensemble Policy below.

Ensembles ^{1,2}

MUSI 109	Jazz Combo
MUSI 113	Saxophone Quartet
MUSI 114	Symphonic Wind Ensemble
MUSI 115	Concert Choir
MUSI 116	University Chorus
MUSI 117	Chamber Singers
MUSI 118	Marching Pride
MUSI 119	Concert Band
MUSI 120	Jazz Ensemble

MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble
MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 237	Opera Performance
MUSI 239	Chamber Music Performance
MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo
MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra
MUSI 322	Chamber String Ensemble
MUSI 323	Brass Ensemble
MUSI 324	Woodwind Ensemble
MUSI 325	Percussion Ensemble
MUSI 326	Flute Choir
MUSI 392	Tuba-Euphonium Ensemble
MUSI 393	Jazz Lab Band
MUSI 394	World Percussion Ensemble
MUSI 409	Jazz Combo
MUSI 413	Saxophone Quartet
MUSI 414	Symphonic Wind Ensemble
MUSI 415	Concert Choir
MUSI 416	University Chorus

MUSI 417	Chamber Singers	
MUSI 418	Marching Pride	
MUSI 419	Concert Band	
MUSI 420	Jazz Ensemble	
MUSI 421	Symphony Orchestra	
MUSI 422	Chamber String Ensemble	
MUSI 423	Brass Ensemble	
MUSI 424	Woodwind Ensemble	
MUSI 425	Percussion Ensemble	
MUSI 426	Flute Choir	
MUSI 437	Opera Performance	
MUSI 439	Chamber Music Performance	
MUSI 492	Tuba-Euphonium Ensemble	
MUSI 493	Jazz Lab Band	
MUSI 494	World Percussion Ensemble	
Subtotal		6
Required Communication Courses		
COMM 205	Audio Production ^{1,2}	3
COMM 254	Video Production ^{1,2}	3
COMM 307	Social Media ^{1,2}	3
COMM 352	Digital Radio Production ^{1,2}	3
Subtotal		12
Total Hours		42

¹ Course counts for 50% of Major requirements and Major GPA

² Grade of "C" or better must be earned in this course.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Recommended Electives

Code	Title	Hours
<i>Recommended Music Courses</i>		
MUSI 234	Class Piano III	1
MUSI 235	Class Piano IV	1
MUSI 254	Music Theory and Analysis III	2
MUSI 257	Musicianship Skills III	1
MUSI 355	Music Theory and Analysis IV	2
MUSI 378	Musicianship Skills IV	1
MUSI 238	Voice Techniques	2
MUSI 133	Class Voice I	2
MUSI 129	Guitar, Ukulele, & Bass Methods	2
MUSI 245	Brass Methods	1
MUSI 247	Percussion Methods	2
MUSI 304	Orchestral String Methods	2
MUSI 374	Woodwind Methods	2
MUSI 301	Women and Music	3
MUSI 359	History of Music I	3
MUSI 373	History of Music II	3
MUSI 356	Culturally Responsive Teaching (CRT) in the Choral Arts	3
MUSI 398	Selected Topics	1-3
MUSI 457	Popular Music Pedagogy	3

MUSI 456	Social Emotional Learning in Music Education	3
MUSI 360	Keyboard Improvisation	1
MUSI 361	Instrumental Improvisation	1
MUSI 499	Applied Recital	1
<i>Recommended Communication Courses</i>		
COMM 228	Principles of Creative Advertising	3
COMM 231	Principles of Integrated Marketing Communication & Public Relations	3
COMM 235	Introduction to Digital Design	3
COMM 248	Interactive Multimedia 1	3
COMM 256	Message Preparation	3
COMM 317	Topics in Global and Intercultural Communication	3
COMM 318	Professional Presentation	3
COMM 347	New-Media Journalism	3
COMM 350	Editing for Video	3
COMM 407	Social Media Network Analytics	3
COMM 480	The Communication Age	3

Ensemble Policy

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development
6. Internships
7. Field Experiences
8. Student Teaching
9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

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on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC - BA (/)/CIM 565

This program is effective as of Summer 2026

Revised 04.16.2026

UCC 2026

Course	Title	Hours
First Year		
Fall		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 131	Class Piano I	1
Ensemble - 100 Level		1
ENGL 102	Critical Writing	3
SUBJ 139	Foundations of Academic Discovery	3
MUSI 130	Exploring Music	3
ESAP 101	FYRST Seminar (Optional)	0-1
Hours		14-15
Spring		
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
MUSI 132	Class Piano II	1
MUSI 203	Musician's Health	1
MATH 117	Quantitative Reasoning	3
Ensemble - 100 Level		1
Elective		6
Hours		15
Second Year		
Fall		
COMM 205	Audio Production	3
Ensemble - 200 Level		1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Thematic Thread Requirement (p. 19)		3
Integrated Inquiry (p. 19)		3
Select one of the following:		3
Elective		
MODL 1XX	Language and Culture I, II, or III	
Declare a Thematic Thread ²		
Hours		16
Spring		
MUSI 274	Music Production & Promotion I	1
COMM 254	Video Production	3
Ensemble - 300 Level		1
ENGL 104	Critical Reading	3
Integrated Inquiry (p. 19)		3
Select one of the following:		3
MODL 1XX	Language and Culture I, II, or III	

Elective		
Elective		1
Hours		15
Third Year		
Fall		
COMM 352	Digital Radio Production	3
MUSI 475	Music Production & Promotion II	2
Ensemble - 300 Level		1
MUSI 435	Music Entrepreneurship (if offered) ¹	1
Integrated Inquiry (p. 19)		3
Select one of the following:		3
MODL 1XX	Language and Culture I, II, or III	
Elective		
Elective		2
Hours		15
Spring		
MUSI 475	Music Production & Promotion II	2
COMM 307	Social Media	3
Ensemble - 400 Level		1
Integrated Inquiry (p. 19)		3
Elective		3
Hours		12
Fourth Year		
Fall		
MUSI 476	Music Production & Promotion III	3
MUSI 473	History of Popular Musics	3
Thematic Thread Requirement (p. 19)		3
Elective		9
Hours		18
Spring		
MUSI 476	Music Production & Promotion III	3
Thematic Thread Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		6
Hours		15
Total Hours**		120-121

¹ Course may be optionally offered in the spring.

Culturally Relevant and Sustaining Music Education, Certificate

PROGRAM LEARNING OUTCOMES

- The student will be able to reflect on their own cultural identity and how it might impact their teaching. SRU UG 2, 4, 7, 9; SRU G 3
- The student will be able to use current terminology related to culturally sustaining and relevant music education and promote an asset-based perspective about differences. SRU UG 1, 8; SRU G 1, 2
- The student will be able to identify systems of privilege, bias, and oppression in systems impacting education and take steps to create a more equitable environment for all students. SRU UG 2, 5, 7, 9; SRU G 1, 2

- The student will be able to respect, acknowledge, and affirm the diverse identities, histories, cultures, and value systems of their students, including by identifying and avoiding the use of microaggressions. SRU UG 1, 9; SRU G 1, 2, 3
- The student will be able to modify, design, and/or facilitate instructional practices and/or materials so they are culturally relevant, sustaining, and responsive, to help all learners experience success. SRU UG 2; SRU G 1, 2
- The student will be able to modify, design, and/or facilitate practices and/or materials for increased communication with the families and communities of their learners. SRU UG 1; SRU G 1, 2, 3

This program will provide undergraduate students, mainly music majors and minors, with the knowledge and skills to create a more culturally relevant and sustaining classroom for their students through focused study in courses designed to meet the needs of today's diverse music classrooms.

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Culturally Relevant and Sustaining Music Education, Certificate Program Page (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/music/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Certificate GPA: 2.00 or higher

Code	Title	Hours
Select four of the following:		12
MUSI 357	Music Education for Diverse Learners	
MUSI 456	Social Emotional Learning in Music Education	
MUSI 458	Diversity, Equity, and Inclusion in Wind Band Literature	
MUSI 457	Popular Music Pedagogy	
MUSI 356	Culturally Responsive Teaching (CRT) in the Choral Arts	
Total Hours		12

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Undergraduate Certificate in Culturally Relevant and Sustaining Music Education - CERT (5CME)

Program is effective for Summer 2023

Revised 04.11.2023

UCC 11.08.2022

Music and Wellness, Minor

Program Learning Outcomes

1. Identify ways in which music has been used to positively impact health (SRU SLO 5)
2. Gain an appreciation for ways in which performing and/or listening to music can support wellbeing (SRU SLO 6)
3. Identify and apply musical strategies to positively impact wellbeing (SRU SLO 1)
4. Enhance one's critical thinking and understanding of the multilayered ways that music can impact health (SRU SLO 2)

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Coursework		
MUSI 127	Orientation to Music Therapy	2
MUSI 203	Musician's Health	1
Foundations of Music and Wellness		6
MUSI 133	Class Voice I	
MUSI 134	Functional Voice Skills	
MUSI 189	Integrated Musicking Across Contexts I	
MUSI 204	Art and Science of Performing	
MUSI 236	Music Therapy Assessment, Measurement and Evaluation	
MUSI 249	Integrated Musicking Across Contexts II	
Ensembles		
Up to 2 ensembles may be included.		
MUSI 109-409	Jazz Combo ¹	
MUSI 113-413	Saxophone Quartets ¹	
MUSI 114-414	Symphonic Wind Ensemble ¹	
MUSI 115-415	Concert Choir ¹	
MUSI 116-416	University Choir ¹	
MUSI 117-417	Chamber Singers ¹	

MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band ¹	
MUSI 120-420	Jazz Ensemble ¹	
MUSI 121-421	Symphony Orchestra ¹	
MUSI 122-422	Chamber String Ensemble ¹	
MUSI 123-423	Brass Ensemble ¹	
MUSI 125-425	Percussion Ensemble ¹	
MUSI 126-426	Flute Choir ¹	
MUSI 192-492	Tuba-Euphonium Ensemble ¹	
MUSI 193-493	Jazz Lab Band ¹	
MUSI 194-494	World Percussion Ensemble ¹	
MUSI 196-496	Winter Guard ¹	
MUSI 239	Chamber Music Performance ¹	
MUSI 237, 437	Opera Performance ¹	
Music and Wellness Electives		9
MUSI 327	Psychology of Music	
MUSI 357	Music Education for Diverse Learners	
MUSI 428	Music Therapy Advanced Topics	
MUSI 473	History of Popular Musics	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

1. Some ensembles may require an audition and admission into audition-only ensembles is not guaranteed.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC AND WELLNESS (56H)

Effective: Summer 202

Revised: 01.08.2026

UCC 11.25.2025

Music Education (PreK-12), Bachelor of Music (BM)

The Bachelor of Music in Music Education prepares individuals to teach instrumental, vocal, and general music to students in grades PreK-12. For additional information about our Music Education Program, contact the following faculty:

- Dr. Cassandra Eisenreich
- Dr. Cindy Candelaria
- Dr. Timothy Little-Tran

For information regarding auditions for the Music Department, please click here (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/music/auditions/>).

Program Learning Outcomes

- The student will be able to identify and interpret the basic elements of music both visually and aurally, including analyzing musical compositions, focusing on theoretical and historical aspects. (UO: 2,6)
- The student will be able to identify and explain the significance of music of a variety of historical periods, cultures, and composers. (UO: 2,6)
- The student will be able to harmonize, transpose, compose, arrange, and orchestrate music using knowledge of music theory and instrumental and vocal characteristics. (UO: 2,6)
- The student will be able to perform as a member of a musical ensemble demonstrating proper techniques of ensemble performance such as balance and blend, as well as musical and social interaction and cooperation, to achieve shared goals. (UO: 2,5,6,7,8,9)
- The student will be able to perform his/her primary instrument with appropriate techniques of posture, breathing, tone production, articulation/bowing, diction, intonation, expression, and style. (UO: 2,5,6)
- The student will be able to demonstrate knowledge of instrumental/vocal repertoire by performing music of different styles, periods, and composers. (UO: 2,6)
- The student will be able to analyze a written score and effectively apply basic conducting patterns, techniques, expression, and rehearsal techniques to realize musical events through the use of gesture with vocal and instrumental ensembles. (UO: 2,6)
- The student will be able to play scales, accompaniments, song repertoire, songs by ear, and transpose melodies with harmonization on the guitar. (UO: 2,6)
- The student will be able to explain and identify jazz concepts and styles and improvise. (UO: 1,2,6)
- The student will be able to play scales, repertoire, hymns, vocal scores, accompaniments, songs by ear, and transposed melodies with harmonization on the piano. (UO: 2,6)
- The student will be able to employ creative strategies to express feelings, perform music, and select resources and procedures for instruction with their students. (UO: 1,2,5,6)
- The student will be able to identify instrumental/vocal strengths and weaknesses and provide appropriate instruction to improve performance of students/self. (UO: 2,6)
- The student will be able to use technology in composition, performance, analysis, teaching, and research. (UO: 2,6,10)
- Using informal and formal assessment measures, the student will be able to assess the musical skills of their students, including identifying and correcting discrepancies between an aural perception of performance and visual perception of the music score, implementing developmental and remedial experiences that will provide alternate ways for their students to achieve musical objectives when needed. (UO: 1,2,6,7,8,9,10)
- The student will be able to create a positive learning environment by using classroom management procedures and motivational techniques that provide their students with opportunities for optimal learning. (UO: 1,5,7,8)

- The student will be able to perform tuning, warm-ups, technical exercises, repertoire, and general maintenance/health as applicable on string, brass, woodwind, and percussion instruments and the voice, appropriate for beginning to intermediate students. (UO: 1,2,6)
- The student will be able to apply concepts of stationary fundamentals, moving fundamentals, staging, sound design, and general effect to successfully create, perform, and instruct both drill and music as a part of the contemporary marching arts. (UO: 1,2,6,7,8)
- The student will be able to promote and implement multicultural and interdisciplinary awareness. (UO: 1,8,9)
- The student will be able to draw upon knowledge of emotional, intellectual, social, physical, and psychological development while planning, assessing, and teaching students of all ages by creating instructional plans with objectives, standards, materials, procedures, accommodations, assessment, and reflection. (UO: 1,7,8,9)
- The student will be able to use critical-thinking skills and communicate effectively in oral, written, and electronic modes. (UO: 1,2,10)
- The student will be able to exhibit professional attributes and personal characteristics that contribute toward excellence in teaching, including attaining a level of musicianship necessary to present oneself as a role model for students and demonstrating professional responsibility by successfully completing organizational and administrative responsibilities. (UO: 1,5,7,8,9,10)

Related Links

Music Education, BM Program Page (<https://www.sru.edu/academics/majors-and-minors/music-education/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Overall GPA for Teacher Candidacy: 2.8 or higher
GPA required to graduate: 3.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirements		0-3
Computer Competency		0-3
Major Requirements		87

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select one of the following:		3
MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert Choir	
MUSI 116-416	University Choir	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 121-421	Symphony Orchestra	
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-quick-guide/)		3
Social Science Inquiry		
Requirement Waived		
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		12
Additional Rock Studies 2 Requirements		
SPED 121	Overview of Special Education	3
CDEV 248	Human Development and Education	3
SEFE 326	ELL Strategies and Practice	3
SEFE 342	Educational Psychology for Diverse Learners	3
Select one of the following:		3
MATH 113-499	Math Requirement	
STAT 152	Elementary Statistics I	
Subtotal		15
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 44 major credits must be taken at SRU or PASSHE
- 44 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Music Courses		
Students must earn a "C" or higher in Musicianship Skills, Music Theory and Music Ed courses ¹		
MUSI 111	Introduction to Music Education	3
MUSI 129	Guitar, Ukulele, & Bass Methods ^{2,3}	2
MUSI 133	Class Voice I ^{2,3}	1
MUSI 140	Low Brass Methods ^{2,3}	2
MUSI 151	Music Theory and Musicking I ^{2,3}	2
MUSI 154	Musicianship Skills I ^{2,3}	1
MUSI 203	Musician's Health ^{2,3}	1
MUSI 206	Fundamentals of Conducting ^{2,3}	1
MUSI 208	Clarinet and Saxophone Methods ^{2,3}	2
MUSI 212	Fundamentals of Conducting Lab ^{2,3}	1
MUSI 247	Percussion Methods ^{2,3}	2
MUSI 253	Music Theory and Analysis II ^{2,3}	2
MUSI 254	Music Theory and Analysis III ^{2,3}	2
MUSI 256	Musicianship Skills II ^{2,3}	1
MUSI 257	Musicianship Skills III ^{2,3}	1
MUSI 291	Field Experience in Music 2: Pre-K Experience ²	1
MUSI 300	Marching Band Techniques ^{2,3}	2
MUSI 304	Orchestral String Methods ^{2,3}	2
MUSI 334	Vocal & Choral Methods ^{2,3}	2
MUSI 335	Early Childhood, Elementary, and Secondary General Music Methods ^{2,3}	2
MUSI 336	Instrumental Methods ^{2,3}	2
MUSI 337	Instrumental Rehearsal Techniques ^{2,3}	1
MUSI 339	Rehearsal Techniques Field Experience ²	1
MUSI 353	Music Methods Block Field Experience ²	1
MUSI 354	Integrated Music Methods Lab ^{2,3}	1
MUSI 355	Music Theory and Analysis IV ^{2,3}	2
MUSI 357	Music Education for Diverse Learners ^{2,3}	3
MUSI 359	History of Music I ²	3
Select one of the following:		1
MUSI 360	Keyboard Improvisation ²	
MUSI 361	Instrumental Improvisation ²	
MUSI 373	History of Music II ²	3
MUSI 376	Flute, Oboe, & Bassoon Methods ^{2,3}	2
MUSI 377	High Brass Methods ^{2,3}	2
MUSI 378	Musicianship Skills IV ^{2,3}	1
MUSI 406	Advanced Conducting ^{2,3}	2
MUSI 407	Choral Rehearsal Techniques ^{2,3}	1
Subtotal		59
Major Applied - Must all be in the same instrument		
Students must earn a "C" or better in each semester of applied major study. Four credits at the 300+ level are required.		
Select two credits of the following:		2
MUSI 179	Applied Piano ²	

MUSI 181	Applied Voice ²	
MUSI 182	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 183	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 184	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 185	Applied Percussion ²	
Select two credits of the following:		2
MUSI 279	Applied Piano ²	
MUSI 281	Applied Voice ²	
MUSI 282	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 283	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 284	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 285	Applied Percussion ²	
Select two credits of the following:		2
MUSI 379	Applied Piano ²	
MUSI 381	Applied Voice ²	
MUSI 382	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 383	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 384	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 385	Applied Percussion ²	
Select one credit of the following:		1
MUSI 479	Applied Piano ²	
MUSI 481	Applied Voice ²	
MUSI 482	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 485	Applied Percussion ²	
Subtotal		7
Minor Applied - Instrumental and Voice Majors Only		
Students must earn a "C" or better in each semester of applied major study.		
Select one of the following:		0-4
MUSI 131	Class Piano I	
& MUSI 132	and Class Piano II	
& MUSI 234	and Class Piano III	
& MUSI 235	and Class Piano IV ^{2,3}	
MUSI 179-479	Applied Piano ^{2,3}	
Subtotal		0-4
Minor Applied - Piano Majors Only		
Students must earn a "C" or better in each semester of applied major study.		
Select four credits:		0-4
MUSI 181-481	Applied Voice ²	
MUSI 182-482	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 183-483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	

MUSI 184-484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 185-485	Applied Percussion ²	
Subtotal		0-4

Additional Voice Major Requirements

Two credits:		0-2
MUSI 299	Diction for Singers ^{2,3}	
MUSI 399	Diction for Singers II ^{2,3}	
Subtotal		0-2

Ensemble Participation

Four semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester up to 7 semesters. See Ensemble Policy below.

Ensembles

MUSI 109	Jazz Combo
MUSI 113	Saxophone Quartet
MUSI 114	Symphonic Wind Ensemble
MUSI 115	Concert Choir
MUSI 116	University Chorus
MUSI 117	Chamber Singers
MUSI 118	Marching Pride
MUSI 119	Concert Band
MUSI 120	Jazz Ensemble
MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble
MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 239	Chamber Music Performance
MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo

MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra
MUSI 322	Chamber String Ensemble
MUSI 323	Brass Ensemble
MUSI 324	Woodwind Ensemble
MUSI 325	Percussion Ensemble
MUSI 326	Flute Choir
MUSI 392	Tuba-Euphonium Ensemble
MUSI 393	Jazz Lab Band
MUSI 394	World Percussion Ensemble
MUSI 409	Jazz Combo
MUSI 413	Saxophone Quartet
MUSI 414	Symphonic Wind Ensemble
MUSI 415	Concert Choir
MUSI 416	University Chorus
MUSI 417	Chamber Singers
MUSI 418	Marching Pride
MUSI 419	Concert Band
MUSI 420	Jazz Ensemble
MUSI 421	Symphony Orchestra
MUSI 422	Chamber String Ensemble
MUSI 423	Brass Ensemble
MUSI 424	Woodwind Ensemble
MUSI 425	Percussion Ensemble
MUSI 426	Flute Choir
MUSI 492	Tuba-Euphonium Ensemble
MUSI 493	Jazz Lab Band
MUSI 494	World Percussion Ensemble

Subtotal	7

Professional Education

MUSI 455	Student Teaching - Music ²	12

Total Hours	87

¹ Voice majors –exempt from MUSI 133 and MUSI 203

String majors –exempt from MUSI 203

² Course counts for 50% of Major requirements and Major GPA

³ Grade of "C" or better required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Ensemble Policy

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

In addition, music education students whose primary instrument is voice must play an instrument in an instrumental ensemble for at least one semester and music education students whose primary instrument is anything other than voice must sing in a vocal ensemble for at least one semester.

Important Information for Music Education Majors

- **Piano Proficiency:** Music education students are expected to achieve piano proficiency by the end of Class Piano IV. Applied piano majors will follow the same proficiency schedule as the class piano students. Students will not be permitted to take the methods block or student teach until the proficiency is passed. See guidelines. Piano Majors will select another instrument for their minor applied requirement but still must pass the piano proficiencies.
- Enrollment in one semester of Marching Band (semester I or III) is a prerequisite to Marching Band Techniques.
- Music Education majors have a choice of Instrumental Improvisation or Keyboard Improvisation.
- Students must pre-register for student teaching one year in advance and must be admitted into Teacher Candidacy.
- Six credits of Math (MATH 113 or higher) required prior to admission to Teacher Candidacy
- Intro to Music Education (MUSI 111), Critical Writing (ENGL 102), Critical Reading (ENGL 104), High Incidence Disabilities (SPED 121) and Human Development (CDEV 248) are required for admission to Teacher Candidacy.

Completed Requirements Checklist

Requirement Description

- Music Education: Freshman Review
- Music Education: Upper Division Review
- Teacher Candidacy Review
- Musicianship Skills Proficiency
- Musicianship Health Competency: Can be satisfied by passing the eight
- Musicianship Health Competency quizzes with scores of 70% or higher OR by earning a C or better in MUSI 203, Musician's Health.
- Piano Proficiency
- Music Methods Competencies

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development

6. Internships
7. Field Experiences
8. Student Teaching
9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC EDUCATION - BM (5232)

This program is effective as of Fall 2022

Revised 07.10.2025

UCC 01.31.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
Major Applied – 100 level		1
Assigned Ensemble (major instrument) – 100 level (Arts Inq. I)		1
MUSI 111	Introduction to Music Education	3
MUSI 115	Concert Choir ²	1
MUSI 129	Guitar, Ukulele, & Bass Methods	2
MUSI 131	Class Piano I ¹	1
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
Select one of the following:		1
MUSI 133	Class Voice I (instrumental majors only)	
MUSI 299	Diction for Singers (voice majors only)	
SUBJ 139	Foundations of Academic Discovery ³	3
Hours		16
Spring		
Major Applied – 100 level		1
Assigned Ensemble – 100 level (Arts Inquiry 2)		1
MUSI 132	Class Piano II ¹	1
MUSI 140	Low Brass Methods ¹¹	2
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Select one of the following:		1
MUSI 203	Musician's Health (piano and non-string inst. Majors)	
MUSI 215	Concert Choir (string majors)	
MUSI 399	Diction for Singers II (voice majors only)	
ENGL 102	Critical Writing ⁴	3
MATH 117	Quantitative Reasoning	3

SPED 121	Overview of Special Education	3
Hours		18
Second Year		
Fall		
Major Applied – 200 level		1
Assigned Ensemble – 200 level (Arts Inquiry 3)		1
MUSI 206	Fundamentals of Conducting	1
MUSI 208	Clarinet and Saxophone Methods ¹⁰	2
MUSI 212	Fundamentals of Conducting Lab	1
MUSI 234	Class Piano III ¹	1
MUSI 247	Percussion Methods	2
MUSI 254	Music Theory and Analysis III	2
MUSI 257	Musicianship Skills III	1
MUSI 291	Field Experience in Music 2: Pre-K Experience ⁹	1
ENGL 104	Critical Reading ⁴	3
Hours		16
Spring		
Major Applied – 200 level		1
Assigned Ensemble – 200 Level		1
MUSI 235	Class Piano IV ¹	1
MUSI 291	Field Experience in Music 2: Pre-K Experience ⁹	1
MUSI 355	Music Theory and Analysis IV	2
MUSI 357	Music Education for Diverse Learners	3
MUSI 378	Musicianship Skills IV	1
MUSI 377	High Brass Methods ¹³	2
MUSI 406	Advanced Conducting (w/Lab)	2
CDEV 248	Human Development and Education	3
Hours		17
Third Year		
Fall		
Major Applied – 300 level		1
Assigned Ensemble – 300 level		1
MATH 113	Mathematics as a Liberal Art (or higher)	3
MUSI 304	Orchestral String Methods	2
MUSI 359	History of Music I	3
MUSI 376	Flute, Oboe, & Bassoon Methods ^{5, 12}	2
SCI 101	Science of Life	3
SEFE 326	ELL Strategies and Practice	3
Hours		18
Spring		
Major Applied – 300 level		1
Assigned Ensemble – 300 level		1
MUSI 334	Vocal & Choral Methods (w/Field Experience) ⁵	2
MUSI 335	Early Childhood, Elementary, and Secondary General Music Methods (w/Field Experience) ⁵	2
MUSI 336	Instrumental Methods (w/Field Experience) ⁵	2
MUSI 300	Marching Band Techniques	2
MUSI 353	Music Methods Block Field Experience	1

MUSI 354	Integrated Music Methods Lab	1
MUSI 361	Instrumental Improvisation ⁸	1
MUSI 373	History of Music II	3
Hours		16
Fourth Year		
Fall		
Major Applied – 400 level		1
Assigned Ensemble – 400 level		1
MUSI 337	Instrumental Rehearsal Techniques (w/Field Exp.) ⁵	1
MUSI 339	Rehearsal Techniques Field Experience	1
MUSI 360	Keyboard Improvisation ⁸	1
MUSI 407	Choral Rehearsal Techniques (w/Field Exp.) ^{5,6}	1
SCI 102	Understanding the Physical World	3
SEFE 342	Educational Psychology for Diverse Learners	3
Humanities Inquiry (p. 19)		3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		18
Spring		
Student Teaching ⁷		12
Hours		12
Total Hours**		131

¹ Piano & Skills Proficiencies: Music education students are expected to achieve proficiency by the end of Class Piano IV and Musicianship Skills IV. Applied piano majors will follow the same proficiency schedule as the class piano students. Students will not be permitted to take the methods block or student teach until the proficiencies are passed. See guidelines. **Piano Majors** will select another instrument for their minor applied requirement but still must pass the piano proficiencies.

² Enrollment in one semester of Marching Band (semester I or III) is a prerequisite to MUSI 300.

³ Course offered in multiple subjects; cannot take course in first major subject

⁴ Six credits of math (MATH 113 or higher), Critical Reading (ENGL 102), Critical Reading (ENGL 104), High Incidence (SPED 121), Intro to Music Education (MUSI 111), and Human Development (CDEV 248) are required for admission to Teacher Candidacy.

⁵ Acceptance to Teacher Candidacy is a prerequisite for the following courses: MUSI 339, MUSI 353, MUSI 375, MUSI 455.

⁶ Enrollment in one semester of Concert Choir is a prerequisite for Choral Rehearsal Techniques.

⁷ Students must pre-register for student teaching one year in advance and must be admitted into Teacher Candidacy.

⁸ Students must take either MUSI 360 or MUSI 361.

⁹ MUSI 291 may be taken in Second Year, Fall or Spring Semester.

¹⁰ MUSI 208 will be offered in the Fall of even years. If you begin your program in an odd year, you will take this class as a sophomore. If you begin in an odd year, you will take this class as a Junior.

¹¹ MUSI 140 will be offered in the Spring of odd years. If you begin your program in an even year, you will take this class as a Freshman. If you begin in an odd year, you will take it as a Sophomore.

¹² MUSI 376 will be offered in the Fall of odd years. If you begin your program in an even year, you will take this class as a sophomore. If you begin in an odd year, you will take this class as a Junior.

¹³ MUSI 377 will be offered in the Spring of even years. If you begin your program in an odd year, you will take this class as a Freshman. If you begin in an even year, you will take this class as a sophomore.

Music Education Upper-Division Review will be scheduled during Semester IV. Complete requirements for Teacher Candidacy by October 15 or March 15. Field 1 Observation due for Freshman Review AND Field Experience II: Exploration due for Upper Division Review, both of which occur in March or April.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5233
Revised: 07.10.2025

Music Education, Minor

The Minor in Music Education minor is the most flexible of our four minors in music for education at SRU. This minor allows the student to tailor their interest towards developing skills that could be used for volunteer or paid positions with school or community music opportunities, such as serving on marching band staffs, directing or assisting with community musicals or choirs, working in early childhood centers, or leading music for camps.

The minor also allows students majoring in education (elementary, middle-level, secondary, etc.) an opportunity to stack credentials, providing a competitive edge for supplemental teaching opportunities in their local districts.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Foundations of Music Coursework		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 203	Musician's Health	1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Required Foundations of Music Education Coursework		6
MUSI 111	Introduction to Music Education	
MUSI 357	Music Education for Diverse Learners	
Performance Study		
Select 2 credits from the following:		2
MUSI 131	Class Piano I	
MUSI 132	Class Piano II	
MUSI 133	Class Voice I	
MUSI 134	Functional Voice Skills	
MUSI 137	Functional Guitar for Music Therapy I	
MUSI 138	Functional Guitar for Music Therapy II	
MUSI 179	Applied Piano	
MUSI 181	Applied Voice	
MUSI 182	Applied Strings	
MUSI 183	Applied Brass	
MUSI 184	Applied Woodwinds	
MUSI 185	Applied Percussion	
MUSI 234	Class Piano III	
MUSI 235	Class Piano IV	
MUSI 279	Applied Piano	
MUSI 281	Applied Voice	
MUSI 282	Applied Strings	
MUSI 283	Applied Brass	
MUSI 284	Applied Woodwinds	
MUSI 285	Applied Percussion	
Ensembles		
Select 4 credits total, 1 at each level (1XX, 2XX, 3XX, 4XX); 1 credit may come from these Chamber Ensembles		4
MUSI 109-409	Jazz Combo ¹	
MUSI 113-413	Saxophone Quartets ¹	
MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert Choir	
MUSI 116-416	University Choir	
MUSI 117-417	Chamber Singers ¹	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 120-420	Jazz Ensemble	
MUSI 121-421	Symphony Orchestra	
MUSI 122-422	Chamber String Ensemble ¹	
MUSI 123-423	Brass Ensemble ¹	
MUSI 125-425	Percussion Ensemble ¹	
MUSI 126-426	Flute Choir ¹	
MUSI 192-492	Tuba-Euphonium Ensemble ¹	
MUSI 193-493	Jazz Lab Band ¹	
MUSI 194-494	World Percussion Ensemble ¹	

MUSI 196-496	Winter Guard	
MUSI 239	Chamber Music Performance ¹	
MUSI 237, 437	Opera Performance ¹	
Music Education Electives		
Select 6 credits - at least 4 credits must be at the 300/400 level		6
MUSI 129	Guitar, Ukulele, & Bass Methods	
MUSI 140	Low Brass Methods	
MUSI 204	Art and Science of Performing	
MUSI 206	Fundamentals of Conducting	
MUSI 208	Clarinet and Saxophone Methods	
MUSI 212	Fundamentals of Conducting Lab	
MUSI 247	Percussion Methods	
MUSI 291	Field Experience in Music 2: Pre-K Experience	
MUSI 300	Marching Band Techniques	
MUSI 304	Orchestral String Methods	
MUSI 334	Vocal & Choral Methods	
MUSI 335	Early Childhood, Elementary, and Secondary General Music Methods	
MUSI 336	Instrumental Methods	
MUSI 337	Instrumental Rehearsal Techniques	
MUSI 354	Integrated Music Methods Lab	
MUSI 376	Flute, Oboe, & Bassoon Methods	
MUSI 377	High Brass Methods	
MUSI 406	Advanced Conducting	
MUSI 407	Choral Rehearsal Techniques	
Total Hours		25

¹ Ensembles requirement must include 4 credits, 1 credit at each level (1XX, 2XX, 3XX, 4XX). Only 1 credit may come from Chamber Ensembles.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC FOR EDUCATION (56B)

Effective: Fall 2022

Revised 07.08.2024

UCC 10.05.2021

Music Education: Early Childhood, Minor

The Minor in Music for Education: Early Childhood minor is designed to support students interested in developing their skills at using music with young children. The minor includes studies in music performance and teaching, including a field experience with preK music.

The minor also allows students majoring in Early Childhood Education an opportunity to stack credentials, providing a competitive edge in the job market.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Foundations of Music Coursework		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 203	Musician's Health	1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Required Foundations of Music Education Coursework		9
MUSI 111	Introduction to Music Education	
MUSI 291	Field Experience in Music 2: Pre-K Experience	
MUSI 335	Early Childhood, Elementary, and Secondary General Music Methods	
MUSI 357	Music Education for Diverse Learners	
Performance Study		
Select 2 credits from the following:		2
MUSI 131	Class Piano I	
MUSI 132	Class Piano II	
MUSI 133	Class Voice I	
MUSI 134	Functional Voice Skills	
MUSI 137	Functional Guitar for Music Therapy I	
MUSI 138	Functional Guitar for Music Therapy II	
MUSI 179	Applied Piano	

MUSI 181	Applied Voice
MUSI 182	Applied Strings
MUSI 183	Applied Brass
MUSI 184	Applied Woodwinds
MUSI 185	Applied Percussion
MUSI 234	Class Piano III
MUSI 235	Class Piano IV
MUSI 279	Applied Piano
MUSI 281	Applied Voice
MUSI 282	Applied Strings
MUSI 283	Applied Brass
MUSI 284	Applied Woodwinds
MUSI 285	Applied Percussion

Ensembles

Select 4 credits total, 1 at each level (1XX, 2XX, 3XX, 4XX); 1 credit may come from these Chamber Ensembles

4

MUSI 109-409	Jazz Combo ¹
MUSI 113-413	Saxophone Quartets ¹
MUSI 114-414	Symphonic Wind Ensemble
MUSI 115-415	Concert Choir
MUSI 116-416	University Choir
MUSI 117-417	Chamber Singers ¹
MUSI 118-418	Marching Pride
MUSI 119-419	Concert Band
MUSI 120-420	Jazz Ensemble
MUSI 121-421	Symphony Orchestra
MUSI 122-422	Chamber String Ensemble ¹
MUSI 123-423	Brass Ensemble ¹
MUSI 125-425	Percussion Ensemble ¹
MUSI 126-426	Flute Choir ¹
MUSI 192-492	Tuba-Euphonium Ensemble ¹
MUSI 193-493	Jazz Lab Band ¹
MUSI 194-494	World Percussion Ensemble ¹
MUSI 196-496	Winter Guard ¹
MUSI 239	Chamber Music Performance ¹
MUSI 237, 437	Opera Performance ¹

Music Education Electives

Select 3 credits to reach 25 total credits for minor - at least 2 credits must be at the 300/400 level

3

MUSI 129	Guitar, Ukulele, & Bass Methods
MUSI 204	Art and Science of Performing
MUSI 206	Fundamentals of Conducting
MUSI 212	Fundamentals of Conducting Lab
MUSI 247	Percussion Methods
MUSI 334	Vocal & Choral Methods
MUSI 406	Advanced Conducting

Total Hours

25

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC FOR EDUCATION: EARLY CHILDHOOD (56D)

Effective: Fall 2022

Revised 07.08.2024

UCC 10.05.2021

Music Education: Marching Arts, Minor

The Minor in Music for Education: Marching Arts minor is designed to support students interested in the marching arts (marching band, winter guard, indoor drumline, etc.) and to provide a competitive edge in the form of a credential for those interested in working with ensembles professionally or as volunteers. The flexible minor allows the student to tailor their interest towards developing skills in drill writing, movement fundamentals, marching band pedagogy, winter guard, color guard, and teaching woodwinds, brass, and/or percussion.

The minor also allows students majoring in education (elementary, middle-level, secondary, etc.) an opportunity to stack credentials, providing a competitive edge for supplemental teaching opportunities in their local districts.

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

1. The student will be able to identify and interpret the basic elements of music both visually and aurally, including analyzing musical compositions, focusing on theoretical and historical aspects. (SRU SLO #2, 5, 6, 9)
2. The student will be able to perform as a member of a musical ensemble demonstrating proper techniques of ensemble performance such as balance and blend, as well as musical and social interaction and cooperation, to achieve shared goals. (SRU SLO #2, 5, 6, 7)
3. The student will be able to perform primary and/or secondary instruments with appropriate techniques of posture, breathing, tone production, articulation/bowing, diction, intonation, expression, and style. (SRU SLO #2, 5, 6)
4. The student will be able to demonstrate knowledge of instrumental/vocal repertoire by performing music of different styles, periods, and composers. (SRU SLO #5, 6, 9)

¹ Ensembles requirement must include 4 credits, 1 credit at each level (1XX, 2XX, 3XX, 4XX). Only 1 credit may come from Chamber Ensembles.

5. The student will be able to employ creative strategies to express feelings, perform music, and select resources and procedures for instruction with their students. (SRU SLO #1, 2, 5, 6, 9)
6. The student will be able to identify instrumental and/or vocal strengths and weaknesses and provide appropriate instruction to improve performance of students/self. (SRU SLO #1, 2, 5, 6)
7. The student will be able to use technology in composition, performance, analysis, teaching, and research. (SRU SLO #10)
8. Using informal and formal assessment measures, the student will be able to assess the musical skills of their students, including identifying and correcting discrepancies between an aural perception of performance and visual perception of the music score, implementing developmental and remedial experiences that will provide alternate ways for their students to achieve musical objectives when needed. (SRU SLO #1, 2, 5, 6)
9. The student will be able to create a positive learning environment by using classroom management procedures and motivational techniques that provide their students with opportunities for optimal learning. (SRU SLO #2, 5, 9)
10. The student will be able to apply concepts of stationary fundamentals, moving fundamentals, staging, sound design, and general effect to successfully create, perform, and instruct both drill and music as a part of the contemporary marching arts. (SRU SLO #1, 2, 5, 6, 7, 9)
11. The student will be able to promote and implement multicultural and interdisciplinary awareness. (SRU SLO #7, 8, 9)
12. The student will be able to draw upon knowledge of emotional, intellectual, social, physical, and psychological development while planning, assessing, and teaching students by creating instructional plans with objectives, standards, materials, procedures, accommodations, assessment, and reflection. (SRU SLO #2, 5, 6, 9)
13. The student will be able to exhibit professional attributes and personal characteristics that contribute toward excellence in teaching, including attaining a level of musicianship necessary to present oneself as a role model for students and demonstrating professional responsibility by successfully completing organizational and administrative responsibilities. (SRU SLO #1, 5, 6, 7, 8, 9, 10)

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Foundations of Music Coursework		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 203	Musician's Health	1
MUSI 204	Art and Science of Performing	1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Required Foundations of Music Education Coursework		8
MUSI 111	Introduction to Music Education	
MUSI 300	Marching Band Techniques	
MUSI 357	Music Education for Diverse Learners	
Performance Study		
Select 2 credits from the following:		2
MUSI 131	Class Piano I	
MUSI 132	Class Piano II	
MUSI 133	Class Voice I	
MUSI 134	Functional Voice Skills	
MUSI 137	Functional Guitar for Music Therapy I	
MUSI 138	Functional Guitar for Music Therapy II	
MUSI 179	Applied Piano	
MUSI 181	Applied Voice	
MUSI 182	Applied Strings	
MUSI 183	Applied Brass	
MUSI 184	Applied Woodwinds	
MUSI 185	Applied Percussion	
MUSI 234	Class Piano III	
MUSI 235	Class Piano IV	
MUSI 279	Applied Piano	
MUSI 281	Applied Voice	
MUSI 282	Applied Strings	
MUSI 283	Applied Brass	
MUSI 284	Applied Woodwinds	
MUSI 285	Applied Percussion	
Ensembles		
Select 4 credits total, 1 at each level (1XX, 2XX, 3XX, 4XX)		4
MUSI 118-418	Marching Pride	
MUSI 196-496	Winter Guard	
Music Education Electives		
Select 3 credits to reach 25 total credits for this minor - at least 2 credits must be at the 300/400 level		3
MUSI 140	Low Brass Methods	
MUSI 206	Fundamentals of Conducting	
MUSI 208	Clarinet and Saxophone Methods	
MUSI 212	Fundamentals of Conducting Lab	
MUSI 247	Percussion Methods	
MUSI 336	Instrumental Methods	
MUSI 337	Instrumental Rehearsal Techniques	
MUSI 376	Flute, Oboe, & Bassoon Methods	
MUSI 377	High Brass Methods	
MUSI 406	Advanced Conducting	

MUSI 456	Social Emotional Learning in Music Education
MUSI 458	Diversity, Equity, and Inclusion in Wind Band Literature
Total Hours	25

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC FOR EDUCATION: MARCHING ARTS (56C)

Effective: Fall 2022

Revised 03..15.2024

UCC 01.30.2024

Music History, Minor

The Minor in Music History is designed for the student interested in exploring music history through required and elective music courses as well as musical literature through ensemble performance.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSIC in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Foundational Course		
MUSI 130	Exploring Music	3
Music Literature		
<i>Select 3 credits of ensemble study to include 1 at each level (1XX, 2XX, 3XX) OR one 3-credit course from MUSI 276 or 278</i>		3
MUSI 109-409	Jazz Combo	
MUSI 113-413	Saxophone Quartets	

MUSI 114-414	Symphonic Wind Ensemble
MUSI 115-415	Concert Choir
MUSI 116-416	University Choir
MUSI 117-417	Chambers Singers
MUSI 118-418	Marching Pride
MUSI 119-419	Concert Band
MUSI 120-420	Jazz Ensemble
MUSI 121-421	Symphony Orchestra
MUSI 122-422	Chamber String Ensemble
MUSI 123-423	Brass Ensemble
MUSI 125-425	Percussion Ensemble
MUSI 126-426	Flute Choir
MUSI 192-492	Tuba-Euphonium Ensemble
MUSI 193-493	Jazz Lab Band
MUSI 194-494	World Percussion Ensemble
MUSI 196-496	Winter Guard
MUSI 239	Chamber Music Performance
MUSI 237-437	Opera Performance
MUSI 276	Songs & Singers
MUSI 278	Literature of the American Musical Theater

Electives

Select 12 credits of the following with 6 credits at 300/400 level		12
MUSI 102	Exploring World Music	
MUSI 104	Exploring American Music	
MUSI 105	Exploring Jazz	
MUSI 276	Songs & Singers	
MUSI 278	Literature of the American Musical Theater	
MUSI 301	Women and Music	
MUSI 359	History of Music I	
MUSI 373	History of Music II	
MUSI 473	History of Popular Musics	

Total Hours **18**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC HISTORY (56G)

Revised 07.08.2024

UCC 04.13.2021

Music Performance, Bachelor of Music (BM)

The Bachelor of Music in Music Performance prepares students to develop the highest level of performing skills. For more information on the BM in Music Performance, please contact Dr. Jason Kush.

For information regarding auditions for the Music Department, please click here (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/auditions/>).

Program Learning Outcomes

- **P01: Musical Analysis and Interpretation:** Students will demonstrate the ability to analyze and interpret the structural, theoretical, and historical elements of music both visually and aurally. (UO#2, UO#6)
- **P02: Performance Proficiency:** Students will perform on their primary instrument or voice type with technical mastery, artistic expression, and stylistic awareness across various genres and historical periods. (UO#5, UO#6)
- **P03: Collaborative Musicianship:** Students will contribute effectively in ensemble settings, exhibiting skills in balance, blend, intonation, and musical expression to achieve shared artistic goals. (UO#1, UO#7)
- **P04: Creative Musicianship:** Students will arrange, compose, and improvise music, utilizing an understanding of harmonic, melodic, rhythmic, and stylistic principles. (UO#6, UO#5)
- **P05: Cultural and Historical Literacy:** Students will demonstrate an understanding of music from diverse historical periods and cultures and articulate its relevance in performance contexts. (UO#9, UO#6)
- **P06: Technological Proficiency:** Students will use current technologies for composition, performance, analysis, and professional development in the field of music. UO#2, UO#6, UO#10)
- **P07: Pedagogical and Diagnostic Skills:** Students will identify and address technical and musical strengths and weaknesses in their own performance and others, applying this knowledge in self-reflection and/or instructional/leadership roles. (UO#2, UO#5)
- **P08: Professional Development and Performance Practice:** Students will prepare and deliver performances in a variety of formal and informal settings, demonstrating professional behavior, program-building skills, and entrepreneurial awareness. (UO#5, UO#8)

Related Links

Music Performance, BM Program Page (<https://www.sru.edu/academics/majors-and-minors/music-performance/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Proficiency (Voice Majors Only)		0-6

Other Basic Requirements	0-3
Major Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select one of the following:		3
MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert Choir	
MUSI 116-416	University Choir	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 121-421	Symphony Orchestra	
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Modern Language Proficiency: Voice Majors Only

Language proficiency at the 102 class level is required in French, German or Italian. Exemption by placement or examination is possible

Code	Title	Hours
Complete 0-6 credits		0-6
Total Hours		0-6

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Music Courses		
Students must earn a 'C' or better in each semester of Musicianship Skills and Music Theory		
MUSI 151	Music Theory and Musicking I ^{1,2}	2
MUSI 154	Musicianship Skills I ^{1,2}	1
MUSI 203	Musician's Health	1
MUSI 204	Art and Science of Performing	1
MUSI 206	Fundamentals of Conducting ¹	1
MUSI 253	Music Theory and Analysis II ^{1,2}	2
MUSI 254	Music Theory and Analysis III ^{1,2}	2
MUSI 256	Musicianship Skills II ^{1,2}	1
MUSI 257	Musicianship Skills III ^{1,2}	1
MUSI 355	Music Theory and Analysis IV ^{1,2}	2
Select one of the following:		1
MUSI 360	Keyboard Improvisation ¹	
MUSI 361	Instrumental Improvisation ¹	
MUSI 359	History of Music I ¹	3
MUSI 373	History of Music II ¹	3
MUSI 378	Musicianship Skills IV ^{1,2}	1
MUSI 435	Music Entrepreneurship ^{1,2}	1
MUSI 473	History of Popular Musics ¹	3
MUSI 406	Advanced Conducting	2
MUSI 431	Pedagogy ¹	1
Subtotal		29
Major Applied - Must all be in same instrument.		

Students must earn a "C" or better in each semester of applied major study.

Select Four semesters at the 300+ level or higher (required):	24
MUSI 165-465	Applied Performance Voice ^{1,2}
MUSI 166-466	Applied Performance Piano ^{1,2}
MUSI 167-467	Applied Performance Strings (Violin, Viola, Cello, Bass) ^{1,2}
MUSI 168-468	Applied Performance Woodwinds (Flute, Oboe, Clarinet, Saxophone, Bassoon) ^{1,2}
MUSI 169-469	Applied Performance Brass (Trumpet, Horn, Trombone, Euphonium, Tuba) ^{1,2}
MUSI 170-470	Applied Performance Percussion ^{1,2}
Subtotal	24

Minor Applied Courses

Select one of the following based on instrument: 4

Instrumental and Voice Majors Only

Class Piano can be counted toward the minor applied. Students must earn a 'C' or better each semester to move on to the next level.

Select one of the following:

MUSI 131	Class Piano I
& MUSI 132	and Class Piano II
& MUSI 234	and Class Piano III
& MUSI 235	and Class Piano IV ^{1,2}
MUSI 179-479	Applied Piano ^{1,2}

Piano Majors Only

Class Piano cannot be counted toward the minor applied. Piano majors must select another instrument. Students must earn a 'C' or better each semester to move on to the next level.

Select four credits:

MUSI 181-481	Applied Voice ²
MUSI 182-482	Applied Strings (Violin, Viola, Cello, Bass) ²
MUSI 183-483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²
MUSI 184-484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²
MUSI 185-485	Applied Percussion ²
Subtotal	4

Ensemble Participation

Four semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester up to 8 semesters. See Ensemble Policy below.

Ensembles:

MUSI 109	Jazz Combo
MUSI 113	Saxophone Quartet
MUSI 114	Symphonic Wind Ensemble
MUSI 115	Concert Choir
MUSI 116	University Chorus
MUSI 117	Chamber Singers
MUSI 118	Marching Pride
MUSI 119	Concert Band
MUSI 120	Jazz Ensemble
MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble

MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo
MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra
MUSI 322	Chamber String Ensemble
MUSI 323	Brass Ensemble
MUSI 324	Woodwind Ensemble
MUSI 325	Percussion Ensemble
MUSI 326	Flute Choir
MUSI 392	Tuba-Euphonium Ensemble
MUSI 393	Jazz Lab Band
MUSI 394	World Percussion Ensemble
MUSI 409	Jazz Combo
MUSI 413	Saxophone Quartet
MUSI 414	Symphonic Wind Ensemble
MUSI 415	Concert Choir
MUSI 416	University Chorus
MUSI 417	Chamber Singers
MUSI 418	Marching Pride
MUSI 419	Concert Band
MUSI 420	Jazz Ensemble

MUSI 421	Symphony Orchestra
MUSI 422	Chamber String Ensemble
MUSI 423	Brass Ensemble
MUSI 424	Woodwind Ensemble
MUSI 425	Percussion Ensemble
MUSI 426	Flute Choir
MUSI 492	Tuba-Euphonium Ensemble
MUSI 493	Jazz Lab Band
MUSI 494	World Percussion Ensemble
Subtotal	8
Music Electives	11
<i>Required Music Electives - Voice Majors Only</i>	
MUSI 299	Diction for Singers
MUSI 399	Diction for Singers II
All performance majors select eleven credits; six credits must be at the 300 level or higher:	
MUSI 109-409	Jazz Combo ¹
MUSI 113-413	Saxophone Quartet ¹
MUSI 114-414	Wind Ensemble ¹
MUSI 115-415	Concert Choir ¹
MUSI 117-417	Chamber Singers ¹
MUSI 118-418	Marching Pride ¹
MUSI 119-419	Concert Band ¹
MUSI 121-421	Orchestra ¹
MUSI 122-422	Chamber Strings ¹
MUSI 123-423	Brass Ensemble ¹
MUSI 126-426	Flute Choir ¹
MUSI 129	Guitar, Ukulele, & Bass Methods ¹
MUSI 133	Class Voice I (Instrumental majors only) ¹
MUSI 134	Functional Voice Skills ¹
MUSI 137	Functional Guitar for Music Therapy I ¹
MUSI 138	Functional Guitar for Music Therapy II ¹
MUSI 140	Low Brass Methods ¹
MUSI 179-479	Applied Piano ^{1,2}
MUSI 181-481	Applied Voice ¹
MUSI 182-482	Applied Strings (Violin, Viola, Cello, Bass) ¹
MUSI 183-483	Applied Brass (Trumpet, Horn, Trombone, Euphonium, Tuba) ¹
MUSI 184-484	Applied Woodwinds (Flute, Oboe, Clarinet, Saxophone, Bassoon) ¹
MUSI 185-485	Applied Percussion ¹
MUSI 208	Clarinet and Saxophone Methods ¹
MUSI 237	Opera Performance ¹
or MUSI 437	Opera Performance
MUSI 239	Chamber Music Performance ¹
MUSI 247	Percussion Methods ¹
MUSI 301	Women and Music ¹
MUSI 304	Orchestral String Methods ¹
MUSI 360	Keyboard Improvisation ¹
or MUSI 361	Instrumental Improvisation
MUSI 376	Flute, Oboe, & Bassoon Methods ¹
MUSI 377	High Brass Methods ¹
Subtotal	11

Applied Junior and Senior Recital (1 Credit Each)

MUSI 499	Applied Recital ¹	2
Total Hours		78

¹ Course counts for 50% of Major requirements and Major GPA

² Grade of "C" or better required.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Ensemble Policy

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

In addition, music education students whose primary instrument is voice must play an instrument in an instrumental ensemble for at least one semester and music education students whose primary instrument is anything other than voice must sing in a vocal ensemble for at least one semester.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development
6. Internships
7. Field Experiences
8. Student Teaching
9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC PERFORMANCE - BM (5253)/CIM 308
This program is effective as of Summer 2025

Revised 07.10.2025

UCC 03.18.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
Major Applied –100 level		3
Minor Applied (Class Piano I)		1
Assigned Ensemble (major instrument) –100 level (Arts Inq. I)		1
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 204	Art and Science of Performing	1
Integrated Inquiry/Thread (voice majors take foreign language) ^{2,3}		3
SUBJ 139	Foundations of Academic Discovery ⁴	3
Voice Majors - Select the following course:		1-2
MUSI 299	Diction for Singers (voice majors only) ¹	
Hours		16-17
Spring		
Major Applied –100 level		3
Minor Applied (Class Piano II)		1
Assigned Ensemble –100 level (Arts Inquiry 2)		1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Music Electives (voice majors take MUSI 399)		1-2
Integrated Inquiry/Thread (voice majors take foreign language) ^{2,3}		3
MUSI 203	Musician's Health (piano and non-string inst. Majors)	1
MATH 117	Quantitative Reasoning	3
Hours		16-17
Second Year		
Fall		
Major Applied –200 level		3
Minor Applied (Class Piano III)		1
Assigned Ensemble –200 level (Arts Inquiry 3)		1
MUSI 206	Fundamentals of Conducting	1
MUSI 212	Fundamentals of Conducting Lab	1
MUSI 254	Music Theory and Analysis III	2
MUSI 257	Musicianship Skills III	1
ENGL 102	Critical Writing	3
Integrated Inquiry/Thread		3
Declare a Thematic Thread ⁶		
Hours		16
Spring		
Major Applied –200 level		3
Minor Applied (Class Piano IV)		1
Assigned Ensemble –200 Level		1
MUSI 355	Music Theory and Analysis IV	2
MUSI 378	Musicianship Skills IV	1
MUSI 406	Advanced Conducting (w/Lab)	2
Music Electives		2
ENGL 104	Critical Reading	3

Advanced Standing Review scheduled at the completion of 60 credits

	Hours	15
Third Year		
Fall		
Major Applied –300 level		3
Assigned Ensemble –300 level		1
MUSI 359 History of Music I		3
Music Electives ⁵		2
MUSI 350 Computer Technology in Music		2
Select one of the following:		3
COMM 200 Civil Discourse: Theory & Practice		
PHIL 110 Ethics and Civil Discourse		
POLI 235 Civil Discourse and Democracy		
Integrated Inquiry/Thread		3
	Hours	17
Spring		
Major Applied –300 level		3
Assigned Ensemble –300 level		1
MUSI 351 Arranging & Orchestration		2
Select one of the following this semester or fall semester:		1
MUSI 361 Instrumental Improvisation ³		
MUSI 360 Keyboard Improvisation ³		
MUSI 373 History of Music II		3
Music Electives		2
Thread		3
	Hours	15
Fourth Year		
Fall		
Major Applied –400 level		3
Assigned Ensemble –400 level		1
MUSI 473 History of Popular Musics		3
MUSI 431 Pedagogy		1
Music Electives ⁵		2
Thread		3
	Hours	13
Spring		
Major Applied –400 level		3
Assigned Ensemble –400 level		1
Applied Recital		1
Music Electives ⁵		2
Thread		6
	Hours	13
	Total Hours**	121-123

⁵ See BM Progress Sheet for additional information on 300+ level requirement

⁶ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5253

Revised: 07.10.2025

Music Therapy, Bachelor of Music (BM)

For information regarding auditions for the Music Department, please click here (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/auditions/>).

Apply Now

To learn more about how to apply to the SRU Music Therapy Program, click here (<https://www.sru.edu/documents/academics/departments/music/How-to-Apply-SRU-MT.pdf>).

About Our Program

The SRU Music Therapy Program celebrated 40 years of music therapy in 2017 with the founder of the SRU MT Program, Dr. Sue Shuttleworth, and the Director of Music Therapy, Dr. Susan Hadley providing remarks about the strong history of our program. We have four music therapy faculty teaching in the program as well as an on-campus clinic to train music therapy students throughout their studies at SRU.

The Bachelor of Music in Music Therapy prepares students to engage in musical experiences with a diverse range of people to assist them in reaching optimal health and personal growth. For additional information about our music therapy program, contact the music therapy faculty members:

- Susan Hadley, Ph.D., MT-BC (Director of Music Therapy & Coordinator of Graduate Music Therapy Program)
- Nicole Hahna, Ph.D., MT-BC, Fellow of the Association for Music & Imagery (Coordinator of Undergraduate Music Therapy Program)
- Vern Miller, MMT, MT-BC (Coordinator of Clinical Placements & Coordinator of Equivalency Program)
- Freddy Perkins, MMT, MT-BC

Certification & Licensure

SRU's Music Therapy Program is approved by the American Music Therapy Association. Students completing this program are eligible to sit for the national board certification exam (<http://www.cbmt.org/>) to obtain the Music Therapist-Board Certified (MT-BC) credential. Pennsylvania does not require state licensing; however, some states do require licensing for music therapists. If you are interested in practicing in another state, please contact the licensing board in that state.

¹ Voice majors must take Diction I and II. These classes will be offered on a rotational basis. If you begin your program in an even year you will take these classes in your freshmen year. If you begin your program in an odd year you will take them in your sophomore year.

² Voice majors must pass the 102 level of Italian, French or German;

³ BM majors have a choice of Keyboard Improvisation or Instrumental Improvisation.

⁴ Course offered in multiple subjects; cannot take course in first major subject

Our Clinic

Check out this video on our music therapy program: <https://www.youtube.com/watch?v=v2kG-qEXYh4#action=share> (<https://www.youtube.com/watch?v=v2kG-qEXYh4#action=share>)

Our Students

Our SRU music therapy students experience many opportunities for clinical work, music therapy research, and collaboration with the music therapy faculty. Here is a video featuring one of our students: <https://www.youtube.com/watch?v=jwCe0cClRys> (<https://www.youtube.com/watch?v=jwCe0cClRys>)

SRU Music Therapy Success Story

Learn more about SRU's Music Therapy Program from a student's perspective here (<https://youtu.be/jwCe0cClRys/>).

Program Learning Outcomes

- The student will be able to identify and analyze the basic elements of music both visually and aurally including analyzing musical compositions focusing on theoretical and historical aspects. (UO: 2,6)
- The student will be able to identify, explain and appreciate music of different historical periods, cultures, and composers. (UO: 1,2,6,9)
- The student will be able to use critical thinking skills and communicate effectively in oral, written, and electronic mode. (UO: 1,2,6,10)
- The student will be able to harmonize, transpose, compose, arrange, and orchestrate music utilizing concepts of the basic elements of music as well as instrumental and vocal characteristics. (UO: 2,6)
- The student will be able to demonstrate basic conducting patterns, techniques, expressions, and rehearsal techniques with vocal and instrumental ensembles. (UO: 2,6)
- The student will be able to understand and appreciate the creative process of the arts by exploring creative ways to express feelings, perform music, and select resources and procedures for instruction/therapy with their students/clients. (UO: 2,6,7,8,9)
- The student will be able to play scales, accompaniments, song repertoire, songs by ear, and transpose melodies with harmonization on the guitar. (UO: 2,6)
- The student will be able to explain and identify jazz concepts and styles and perform clinical instrumental improvisation techniques. (UO: 1,2,6)
- The student will be able to perform as a member of a musical ensemble demonstrating proper techniques of ensemble performance such as balance and blend, as well as musical and social interaction, and cooperation to achieve shared goals. (UO: 2,5,6,7,8,9)
- The student will be able to play scales, repertoire, hymns, music therapy literature, accompaniments, songs by ear, and transposed melodies with harmonization on the piano. (UO: 2,6)
- The student will be able to sing or play his/her primary instrument with appropriate techniques of posture, breathing, tone production, articulation/bowing, diction, intonation, expression, and style. (UO: 2,6)
- The student will be able to demonstrate knowledge of instrumental/vocal repertoire by performing music of different styles, periods, and composers. (UO: 2,6)

- The student will perform in a student recital or performance class every semester. (UO: 1,2,5,6,7)
- The student will be able to identify instrumental/vocal strengths and weaknesses. (UO: 1,2,5,6)
- The student will be able to use technology in composition, performance, analysis, teaching and research. (UO: 2,6,10)
- The student will demonstrate knowledge, skills, and/or abilities in clinical foundations in the areas of exceptionality, principles of therapy, and the therapeutic relationship. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge, skills, and/or abilities in music foundations in the areas of music theory and history, composition and arranging skills, major performance medium skills, keyboard skills, guitar skills, voice skills, non-symphonic instrumental skills, improvisation skills, conducting skills and/or movement skills. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge, skills and/or abilities in music therapy in the areas of foundations and principles, client assessment, treatment planning, therapy implementation, therapy evaluation, documentation, and/or termination/discharge planning. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge, skills, and/or abilities in the professional role, ethics, and interdisciplinary collaboration. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge and skills in research methodology. (1,2,3,4,8,10)
- The student will participate in and benefit from supervision and/or perform administrative duties. (UO: 1,2,5,6,7,8,9,10)
- Demonstrate a basic foundation on voice, piano, guitar, and percussion. Lead and accompany proficiently on instruments including, but not limited to voice, piano, guitar, and percussion. Sing in tune with a pleasing quality and adequate volume both with accompaniment and acapella. (UO: 2,6)

Related Links

Music Therapy, BM Program Page (<https://www.sru.edu/academics/majors-and-minors/music-therapy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.5 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock 2 Studies Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	81-86

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select one of the following:		3
MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert Choir	
MUSI 116-416	University Choir	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 121-421	Symphony Orchestra	
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
WAIVED		
<i>Natural Sciences Inquiry</i>		
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		12
Additional Rock Studies 2 Requirements (15 Credits)		
CDEV 248	Human Development and Education	3
or PSYC 244	Developmental Psychology	
PSYC 105	Introduction to Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
SPED 121	Overview of Special Education	3
or SPED 122	Low Incidence Disabilities	
Select one of the following:		3
ENGL 327	Healthcare Writing	
GNDR 415	Feminist Perspectives in the Disciplines	
HONR 492	Innovation for Positive Change	
PHIL 325	Medical/Health Care Ethics	
Subtotal		15
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 41 major credits must be taken at SRU or PASSHE
- 41 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Music Courses		
Students must earn a 'C' or higher in Musicianship Skills and Music Theory courses and in Integrated Musicking Across Contexts Courses ¹		
MUSI 133	Class Voice I ^{2,3}	1
or MUSI 299	Diction for Singers	
MUSI 134	Functional Voice Skills ^{2,3}	1
or MUSI 399	Diction for Singers II	
MUSI 151	Music Theory and Musicking I ^{2,3}	2
MUSI 154	Musicianship Skills I ^{2,3}	1
MUSI 189	Integrated Musicking Across Contexts I ^{2,3}	3
MUSI 203	Musician's Health	1
MUSI 249	Integrated Musicking Across Contexts II ^{2,3}	3
MUSI 253	Music Theory and Analysis II ^{2,3}	2
MUSI 254	Music Theory and Analysis III ^{2,3}	2
MUSI 256	Musicianship Skills II ^{2,3}	1
MUSI 257	Musicianship Skills III ^{2,3}	1
MUSI 289	Integrated Musicking Across Contexts III ^{2,3}	3
MUSI 303	Integrated Musicking Across Contexts IV ^{2,3}	3
MUSI 355	Music Theory and Analysis IV ^{2,3}	2
MUSI 373	History of Music II ^{2,3}	3
MUSI 378	Musicianship Skills IV ^{2,3}	1
MUSI 473	History of Popular Musics ^{2,3}	3
Subtotal		33

Required Music Therapy Courses

Students must earn a 'C' grade or higher in all music therapy courses		
MUSI 127	Orientation to Music Therapy ^{2,3}	2
MUSI 229	Clinical Integration ^{2,3}	1
or MUSI 230	Clinical Integration	
MUSI 236	Music Therapy Assessment, Measurement and Evaluation ^{2,3,4}	2

MUSI 312	Music Therapy for Children ^{2,3,4}	3
MUSI 327	Psychology of Music ^{2,3,4}	3
MUSI 329	Clinical Integration ^{2,3}	1
MUSI 330	Clinical Integration (Take two times: Semester IV and Semester VI) ^{2,3}	2
MUSI 428	Music Therapy Advanced Topics ^{2,3,4}	3
MUSI 432	Clinical Integration ^{2,3}	1
MUSI 433	Clinical Integration ^{2,3}	1
MUSI 440	Music Therapy for Adult Clients ^{2,3,4}	3
Subtotal		22

Major Applied - Must all be in same instrument

Students must earn a "C" or better in each semester of applied major study. Six credits at the 300+ level are required.

Select three of the following: 6

MUSI 279	Applied Piano ²
MUSI 281	Applied Voice ²
MUSI 282	Applied Strings (Violin, Viola, Cello, Bass, Guitar) ²
MUSI 283	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²
MUSI 284	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²
MUSI 285	Applied Percussion ²

Select three of the following: 6

MUSI 479	Applied Piano ²
MUSI 481	Applied Voice ²
MUSI 482	Applied Strings (Violin, Viola, Cello, Bass, Guitar) ²
MUSI 483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²
MUSI 484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²
MUSI 485	Applied Percussion ²

Subtotal 12

Minor Applied

Select one of the following based on instrument:

Voice and Instrumental Majors Only

Select four credits of the following:

MUSI 131 & MUSI 132 & MUSI 234 & MUSI 235	Class Piano I and Class Piano II and Class Piano III and Class Piano IV ^{2,3}
MUSI 179, 379	Applied Piano ^{2,3}

Piano Majors Only ⁵

Select four credits:

MUSI 181, 381	Applied Voice ²
MUSI 182, 382	Applied Strings (Violin, Viola, Cello, Bass, Guitar) ²
MUSI 183, 383	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²
MUSI 184, 384	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²
MUSI 185, 385	Applied Percussion ²

Subtotal 4

Ensemble Participation

Three semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester up to 3 semesters. See Ensemble Policy below.

Ensembles

MUSI 109	Jazz Combo
MUSI 113	Saxophone Quartet
MUSI 114	Symphonic Wind Ensemble
MUSI 115	Concert Choir
MUSI 116	University Chorus
MUSI 117	Chamber Singers
MUSI 118	Marching Pride
MUSI 119	Concert Band
MUSI 120	Jazz Ensemble
MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble
MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 239	Chamber Music Performance
MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo
MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra

MUSI 322	Chamber String Ensemble	
MUSI 323	Brass Ensemble	
MUSI 324	Woodwind Ensemble	
MUSI 325	Percussion Ensemble	
MUSI 326	Flute Choir	
MUSI 392	Tuba-Euphonium Ensemble	
MUSI 393	Jazz Lab Band	
MUSI 394	World Percussion Ensemble	
MUSI 409	Jazz Combo	
MUSI 413	Saxophone Quartet	
MUSI 414	Symphonic Wind Ensemble	
MUSI 415	Concert Choir	
MUSI 416	University Chorus	
MUSI 417	Chamber Singers	
MUSI 418	Marching Pride	
MUSI 419	Concert Band	
MUSI 420	Jazz Ensemble	
MUSI 421	Symphony Orchestra	
MUSI 422	Chamber String Ensemble	
MUSI 423	Brass Ensemble	
MUSI 424	Woodwind Ensemble	
MUSI 425	Percussion Ensemble	
MUSI 426	Flute Choir	
MUSI 492	Tuba-Euphonium Ensemble	
MUSI 493	Jazz Lab Band	
MUSI 494	World Percussion Ensemble	
Subtotal		3
Internship Requirements		
MUSI 450	Music Therapy Internship	7-12
Total Hours		81-86

¹ Voice majors –exempt from MUSI 133.

² Course counts for 50% of Major requirements and Major GPA

³ Grade of “C” or better required.

⁴ Successful completion of upper division review prior to registration.

⁵ Class Piano cannot be counted toward the minor applied. Piano majors must select another instrument. Students must earn a ‘C’ or better each semester to move on to the next level.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

REQUIREMENTS OUTSIDE THE MAJOR DEPARTMENT

Code	Title	Hours
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3
CDEV 248 or PSYC 244	Human Development and Education Developmental Psychology	3
PSYC 105	Introduction to Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
SPED 121 or SPED 122	Overview of Special Education Low Incidence Disabilities	3

proficiency requirements

Code	Title	Hours
Piano Proficiency		
Students must complete required Piano Proficiency. See Advisor for specific information related to requirements		
Exit Interview		
Students must complete required Exit Interview. See Advisor for specific information related to requirements		
MUSI 203	Musician's Health	1
Students must complete required Skills Proficiency or MUSI 203. See Advisor for specific information related to requirements		

ENSEMBLE POLICY

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

In addition, music education students whose primary instrument is voice must play an instrument in an instrumental ensemble for at least one semester and music education students whose primary instrument is anything other than voice must sing in a vocal ensemble for at least one semester.

Additional Information: Internship Requirements

- MUSI 450 Music Therapy Internship must be taken for 2 semesters, either for 7 credits for 900 hours (1 semester at 6 credits & 1 semester at 1 credit) or for 12 credits for 1040 hours (1 semester at 6 credits & 1 semester at 6 credits). The total pre-and post-internship music therapy clinical hours must equal at least 1200 hours.
- MT Majors are required to maintain a 2.0 overall GPA and 2.5 major GPA to remain in the program. All MT majors must successfully pass an Upper-Division Review (UDR) and Exit Interview to remain in the program. Failure to maintain the required GPA and/or pass UDR or the Exit Interview will mean that a student has to re-apply and re-audition for the MT program.

Completed Requirement Checklist

Requirement

- Piano Proficiency: MUSI 303, IMAC IV
- Music Therapy Skills Proficiency 2
- Music Therapy Skills Proficiency 4
- Music Therapy Upper Division Review
- Music Therapy Portfolio
- Musicianship Health Competency: MUSI 203, Musician's Health.
- Music Therapy Exit Interview

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student

success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development
6. Internships
7. Field Experiences
8. Student Teaching
9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC THERAPY - BM (5273)

This program is effective as of Spring 2023

Revised 07.17.2025

UCC 11.29.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
200-Level Applied Lesson		2
Minor Lesson/Class Piano I		1
100-Level Ensemble (Arts Inquiry #1)		1
MUSI 127	Orientation to Music Therapy	2
MUSI 133	Class Voice I	1
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I ²	1
MUSI 189	Integrated Musicking Across Contexts I	3
ESAP 101	FIRST Seminar	0-1
SUBJ 139	Foundations of Academic Discovery	3
Hours		16-17
Spring		
200-Level Applied Lesson		2
Minor Lesson/Class Piano II		1
200-Level Ensemble (Arts Inquiry #2)		1
MUSI 134	Functional Voice Skills	1
MUSI 203	Musician's Health	1
MUSI 236	Music Therapy Assessment, Measurement and Evaluation	2
MUSI 249	Integrated Musicking Across Contexts II	3
MUSI 253	Music Theory and Analysis II	2

MUSI 256	Musicianship Skills II	1
ENGL 102	Critical Writing	3
Hours		17
Second Year		
Fall		
200-Level Applied Lesson		2
Minor Applied/Class Piano III		1
300-Level Ensemble (Arts Inquiry #3)		1
MUSI 254	Music Theory and Analysis III	2
MUSI 257	Musicianship Skills III ²	1
MUSI 289	Integrated Musicking Across Contexts III	3
MUSI 229	Clinical Integration	1
or MUSI 230	or Clinical Integration	
ENGL 104	Critical Reading	3
PSYC 105	Introduction to Psychology	3
Hours		17
Spring		
400-Level Applied Lesson		2
Minor Applied/Class Piano IV		1
300-Level Ensemble		1
MUSI 303	Integrated Musicking Across Contexts IV	3
MUSI 355	Music Theory and Analysis IV	2
MUSI 378	Musicianship Skills IV ²	1
MUSI 330	Clinical Integration	1
PSYC 276	Introduction to Abnormal Psychology	3
SPED 121	Overview of Special Education	3
or SPED 122	or Low Incidence Disabilities	
MT Upper Division Review		
Hours		17
Third Year		
Fall		
400-Level Applied Lesson		2
400-Level Ensemble		1
MUSI 329	Clinical Integration	1
MUSI 440	Music Therapy for Adult Clients	3
CDEV 248	Human Development and Education	3
or PSYC 244	or Developmental Psychology	
MATH 117	Quantitative Reasoning	3
SCI 102	Understanding the Physical World	3
Hours		16
Spring		
400-Level Applied Lesson		2
400-Level Ensemble		1
MUSI 312	Music Therapy for Children	3
ENGL 327	Healthcare Writing	3
or PHIL 325	or Medical/Health Care Ethics	
or GNDR 415	or Feminist Perspectives in the	
or HONR 492	Disciplines	
	or Innovation for Positive Change	
MUSI 330	Clinical Integration	1
MUSI 373	History of Music II	3
MUSI 433	Clinical Integration	1

ENGL 327	Healthcare Writing	3
or PHIL 325	or Medical/Health Care Ethics	
or GNDR 415	or Feminist Perspectives in the	
or HONR 492	Disciplines	
	or Innovation for Positive Change	

Music Therapy Exit Interview ⁷

Hours **17**

Fourth Year

Fall

MUSI 428	Music Therapy Advanced Topics	3
MUSI 432	Clinical Integration	1
MUSI 473	History of Popular Musics	3
BIOL 110	The Human Body: Fundamentals of Structure and Physiology	3

Civil Discourse - Select one of the following: **3**

COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Humanities Inquiry (p. 19) **3**

Hours **16**

Spring

MUSI 450	Music Therapy Internship (1 of 2 semesters)	6

Hours **6**

Summer

MUSI 450	Music Therapy Internship (2 of 2 semesters)	1-6

Hours **1-6**

Total Hours** **123-129**

¹ Piano Proficiency: Music Therapy students are expected to achieve piano proficiency by the end of Class Piano IV or after their fourth semester of lessons for applied piano majors. Students will not be permitted to start their internship until the proficiency is passed. See guidelines. Piano majors will select another instrument for their minor applied requirement.

² Skills Proficiency: Music therapy students must pass all aspects of the Skills Proficiencies before they can take upper-level MT classwork

³ Course offered in multiple subjects; cannot take course in first major subject

⁴ Music Therapy majors music take both Instrumental Improvisation and Keyboard Improvisation.

⁵ Voice majors must take Diction for Singers. Class is offered on a rotational basis. Even year program starts take this class during the freshman year. Odd year program starts take this class the sophomore year.

⁶ MT Upper Division Review must be taken during Semester IV

⁷ Music Therapy Exit Interview should be taken during Semester VI

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Music Therapy, Bachelor of Music (BM) - Pre-Master of Music Therapy (SRU) (3+2)

Program Learning Outcomes

- The student will be able to identify and analyze the basic elements of music both visually and aurally including analyzing musical compositions focusing on theoretical and historical aspects. (UO: 2,6)
- The student will be able to identify, explain and appreciate music of different historical periods, cultures, and composers. (UO: 1,2,6,9)
- The student will be able to use critical thinking skills and communicate effectively in oral, written, and electronic mode. (UO: 1,2,6,10)
- The student will be able to harmonize, transpose, compose, arrange, and orchestrate music utilizing concepts of the basic elements of music as well as instrumental and vocal characteristics. (UO: 2,6)
- The student will be able to demonstrate basic conducting patterns, techniques, expressions, and rehearsal techniques with vocal and instrumental ensembles. (UO: 2,6)
- The student will be able to understand and appreciate the creative process of the arts by exploring creative ways to express feelings, perform music, and select resources and procedures for instruction/therapy with their students/clients. (UO: 2,6,7,8,9)
- The student will be able to play scales, accompaniments, song repertoire, songs by ear, and transpose melodies with harmonization on the guitar. (UO: 2,6)
- The student will be able to explain and identify jazz concepts and styles and perform clinical instrumental improvisation techniques. (UO: 1,2,6)
- The student will be able to perform as a member of a musical ensemble demonstrating proper techniques of ensemble performance such as balance and blend, as well as musical and social interaction, and cooperation to achieve shared goals. (UO: 2,5,6,7,8,9)
- The student will be able to play scales, repertoire, hymns, music therapy literature, accompaniments, songs by ear, and transposed melodies with harmonization on the piano. (UO: 2,6)
- The student will be able to sing or play his/her primary instrument with appropriate techniques of posture, breathing, tone production, articulation/bowing, diction, intonation, expression, and style. (UO: 2,6)
- The student will be able to demonstrate knowledge of instrumental/vocal repertoire by performing music of different styles, periods, and composers. (UO: 2,6)
- The student will perform in a student recital or performance class every semester. (UO: 1,2,5,6,7)
- The student will be able to identify instrumental/vocal strengths and weaknesses. (UO: 1,2,5,6)
- The student will be able to use technology in composition, performance, analysis, teaching and research. (UO: 2,6,10)
- The student will demonstrate knowledge, skills, and/or abilities in clinical foundations in the areas of exceptionality, principles of therapy, and the therapeutic relationship. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge, skills, and/or abilities in music foundations in the areas of music theory and history, composition and arranging skills, major performance medium skills,

keyboard skills, guitar skills, voice skills, non-symphonic instrumental skills, improvisation skills, conducting skills and/or movement skills. (UO: 1,2,5,6,7,8,9,10)

- The student will demonstrate knowledge, skills and/or abilities in music therapy in the areas of foundations and principles, client assessment, treatment planning, therapy implementation, therapy evaluation, documentation, and/or termination/discharge planning. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge, skills, and/or abilities in the professional role, ethics, and interdisciplinary collaboration. (UO: 1,2,5,6,7,8,9,10)
- The student will demonstrate knowledge and skills in research methodology. (1,2,3,4,8,10)
- The student will participate in and benefit from supervision and/or perform administrative duties. (UO: 1,2,5,6,7,8,9,10)
- Demonstrate a basic foundation on voice, piano, guitar, and percussion. Lead and accompany proficiently on instruments including, but not limited to voice, piano, guitar, and percussion. Sing in tune with a pleasing quality and adequate volume both with accompaniment and acapella. (UO: 2,6)

Related Links

Music Therapy, BM Pre-Master of Music Therapy 3+2 Program Page (https://www.sru.edu/programs/undergrad-music/#tab_sec4)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.0 or higher

Overall GPA: 3.0 or higher

Summary*

Code	Title	Hours
	Rock 2 Studies Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	64-69

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		

Select one of the following: 3

MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert Choir	
MUSI 116-416	University Choir	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 121-421	Symphony Orchestra	

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

WAIVED

Natural Sciences Inquiry

BIOL 110 The Human Body: Fundamentals of Structure and Physiology 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 12

Additional Rock Studies 2 Requirements (15 Credits)

CDEV 248	Human Development and Education	3
or PSYC 244	Developmental Psychology	
PSYC 105	Introduction to Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
SPED 121	Overview of Special Education	3
or SPED 122	Low Incidence Disabilities	

Select one of the following: 3

ENGL 327	Healthcare Writing	
GNDR 415	Feminist Perspectives in the Disciplines	
HONR 492	Innovation for Positive Change	
PHIL 325	Medical/Health Care Ethics	

Subtotal 15

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- If you choose to pursue Pre-Master of Music Therapy 3+2 and are not accepted into the Master of Music Therapy program, additional coursework is required to complete a first major of Music Therapy (MUSI 235: Class Piano IV, MUSI 327: Psychology of Music, MUSI 329: Clinical Integration, MUSI 355: Music Theory and Analysis IV, MUSI 378: Musicianship Skills IV, MUSI 428: Music Therapy Advanced Topics, MUSI 432: Clinical Integration, and 2 additional semesters of applied lessons, 2 additional semesters of ensemble). Please refer to the Bachelor of Music in Music Therapy curriculum guide.

Code	Title	Hours
Required Music Courses		
Students must earn a 'C' or higher in Musicianship Skills and Music Theory courses and in Integrated Musicking Across Contexts Courses ¹		
Select one of the following:		1
MUSI 133	Class Voice I ^{2,3}	
MUSI 299	Diction for Singers ²	
MUSI 134	Functional Voice Skills ^{2,3}	1
MUSI 151	Music Theory and Musicking I ^{2,3}	2
MUSI 154	Musicianship Skills I ^{2,3}	1
MUSI 189	Integrated Musicking Across Contexts I ^{2,3}	3
MUSI 203	Musician's Health	1
MUSI 249	Integrated Musicking Across Contexts II ^{2,3}	3
MUSI 253	Music Theory and Analysis II ^{2,3}	2
MUSI 254	Music Theory and Analysis III ^{2,3}	2
MUSI 256	Musicianship Skills II ^{2,3}	1
MUSI 257	Musicianship Skills III ^{2,3}	1
MUSI 289	Integrated Musicking Across Contexts III ^{2,3}	3
MUSI 303	Integrated Musicking Across Contexts IV ^{2,3}	3
MUSI 373	History of Music II ^{2,3}	3
MUSI 473	History of Popular Musics ^{2,3}	3
Subtotal		30
Required Music Therapy Courses		
Students must earn a 'C' grade or higher in all music therapy courses		
MUSI 127	Orientation to Music Therapy ^{2,3}	2
MUSI 229	Clinical Integration ^{2,3}	1
MUSI 230	Clinical Integration ^{2,3}	1
MUSI 236	Music Therapy Assessment, Measurement and Evaluation ^{2,3,4}	2
MUSI 312	Music Therapy for Children ^{2,3,4}	3
MUSI 330	Clinical Integration ^{2,3}	1
MUSI 433	Clinical Integration ^{2,3}	1
MUSI 440	Music Therapy for Adult Clients ^{2,3,4}	3
Subtotal		14
Major Applied - Must all be in same instrument		
Students must earn a "C" or better in each semester of applied major study. two credits at the 300+ level are required.		
Select two of the following:		4
MUSI 279	Applied Piano ²	
MUSI 281	Applied Voice ²	

MUSI 282	Applied Strings (Violin, Viola, Cello, Bass, Guitar) ²	
MUSI 283	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 284	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 285	Applied Percussion ²	
Select two of the following:		4
MUSI 479	Applied Piano ²	
MUSI 481	Applied Voice ²	
MUSI 482	Applied Strings (Violin, Viola, Cello, Bass, Guitar) ²	
MUSI 483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 485	Applied Percussion ²	
Subtotal		8
Minor Applied		
Select one of the following based on instrument:		
<i>Voice and Instrumental Majors Only</i>		
Select four credits of the following:		
MUSI 131	Class Piano I	
& MUSI 132	and Class Piano II	
& MUSI 234	and Class Piano III	
& MUSI 235	and Class Piano IV ^{2,3}	
MUSI 179, 379	Applied Piano ^{2,3}	
<i>Piano Majors Only</i> ⁶		
Class Piano cannot be counted toward the minor applied. Piano majors must select another instrument. Students must earn a 'C' or better each semester to move on to the next level.		
Select four credits:		
MUSI 181, 381	Applied Voice ²	
MUSI 182, 382	Applied Strings (Violin, Viola, Cello, Bass) ²	
MUSI 183, 383	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ²	
MUSI 184, 384	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ²	
MUSI 185, 385	Applied Percussion ²	
Subtotal		4
Ensemble Participation		
One semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester up to 1 semester. See Ensemble Policy below.		
<i>Ensembles</i>		
MUSI 109	Jazz Combo	
MUSI 113	Saxophone Quartet	
MUSI 114	Symphonic Wind Ensemble	
MUSI 115	Concert Choir	
MUSI 116	University Chorus	
MUSI 117	Chamber Singers	
MUSI 118	Marching Pride	
MUSI 119	Concert Band	
MUSI 120	Jazz Ensemble	

MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble
MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 239	Chamber Music Performance
MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo
MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra
MUSI 322	Chamber String Ensemble
MUSI 323	Brass Ensemble
MUSI 324	Woodwind Ensemble
MUSI 325	Percussion Ensemble
MUSI 326	Flute Choir
MUSI 392	Tuba-Euphonium Ensemble
MUSI 393	Jazz Lab Band
MUSI 394	World Percussion Ensemble
MUSI 409	Jazz Combo
MUSI 413	Saxophone Quartet
MUSI 414	Symphonic Wind Ensemble
MUSI 415	Concert Choir
MUSI 416	University Chorus
MUSI 417	Chamber Singers

MUSI 418	Marching Pride	
MUSI 419	Concert Band	
MUSI 420	Jazz Ensemble	
MUSI 421	Symphony Orchestra	
MUSI 422	Chamber String Ensemble	
MUSI 423	Brass Ensemble	
MUSI 424	Woodwind Ensemble	
MUSI 425	Percussion Ensemble	
MUSI 426	Flute Choir	
MUSI 492	Tuba-Euphonium Ensemble	
MUSI 493	Jazz Lab Band	
MUSI 494	World Percussion Ensemble	
Subtotal		1
Internship Requirements		
MUSI 450	Music Therapy Internship	7-12
Total Hours		64-69

¹ Voice majors –exempt from MUSI 133.

² Course counts for 50% of Major requirements and Major GPA

³ Grade of “C” or better required.

⁴ Successful completion of upper division review prior to registration.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

ensemble policy

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

In addition, music education students whose primary instrument is voice must play an instrument in an instrumental ensemble for at least one semester and music education students whose primary instrument is anything other than voice must sing in a vocal ensemble for at least one semester.

Pre-Master of Music Therapy 3+2 Requirements

If any of these requirements are not met, the 3+2 designation will be removed from the student's record:

1. A 3.00 or higher overall GPA and 3.0 major GPA must be maintained by the student.
2. The student can only be enrolled in the Pre-Master of Music Therapy 3+2 program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).

Provision

Should a Pre-Master of Music Therapy 3+2 student be unsuccessful in completing the first two semesters of the Master of Music Therapy Program and want to complete the original undergraduate degree, it is

solely up to the discretion of the undergraduate music therapy program director to determine which, if any, music and music therapy courses will count toward the completion of the student's undergraduate degree. In addition, students must complete any unfulfilled requirements of their undergraduate major. Students may still apply to the Master of Music Therapy Program with an earned bachelor's degree in music therapy (or its equivalence).

Additional Information: Internship Requirements

- MUSI 450 Music Therapy Internship must be taken for 2 semesters (Spring and Summer of third year). The total pre-and post-internship music therapy clinical hours must equal at least 1200 hours.
- Pre-Master of Music Therapy 3+2 Majors must successfully pass an Upper-Division Review (UDR) and Exit Interview to remain in the program.

Completed Requirement Checklist

- Piano Proficiency
- Music Therapy Skills Proficiency 2
- Music Therapy Upper Division Review
- Music Therapy Portfolio
- Musicianship Health Competency: MUSI 203, Musician's Health.
- Music Therapy Exit Interview

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development
6. Internships
7. Field Experiences
8. Student Teaching
9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC THERAPY - BM (5273) / CIM541
Pre-Master of Music Therapy (5MMT)
This program is effective as of Spring 2025

Revised 07.02.2025
UCC 02.11.2025

Music, Bachelor of Arts (BA)

The Bachelor of Arts in Music program at Slippery Rock University provides a general, highly customizable music education that will prepare students for a variety of careers within the music industry. For more information about the BA in Music, please contact Dr. Glenn Utsch.

For information regarding auditions for the Music Department, please click here (<https://www.sru.edu/academics/colleges-and-departments/cia/departments/music/auditions/>).

Program Learning Outcomes

- **P01: Musical Analysis and Interpretation:** Students will demonstrate the ability to analyze and interpret the structural, theoretical, and historical elements of music both visually and aurally. (UO#2, UO#6)
- **P02: Performance Proficiency:** Students will perform on their primary instrument or voice type with technical mastery, artistic expression, and stylistic awareness across various genres and historical periods. (UO#5, UO#6)
- **P03: Collaborative Musicianship:** Students will collaborate effectively in musical ensembles and other group settings, demonstrating leadership, cooperation, and ensemble techniques to achieve shared creative goals. (UO#5, UO#7)
- **P04: Creative Musicianship:** Students will utilize creativity in composition, arrangement, improvisation, and performance, applying these skills in interdisciplinary and professional contexts such as performance, instruction, music business, or production. (UO#6, UO#5)
- **P05: Cultural and Historical Literacy:** Students will explore and appreciate music from different historical periods, cultures, and composers, recognizing the influence of social, cultural, and historical factors on music. (UO#6, UO#9)
- **P06: Technological Proficiency:** Students will utilize digital tools and platforms to enhance music performance, composition, analysis, and instruction, demonstrating adaptability in using technology in diverse professional settings. (UO#2, UO#6, UO#10)
- **P07: Communication and Critical Thinking:** Students will communicate ideas effectively in oral, written, and digital formats, and apply critical thinking in the analysis and discussion of music and its interdisciplinary connections. (UO#1, UO#2)

Related Links

Music, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/music/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
	Rock 2 Studies Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Required Music Courses		
MUSI 151	Music Theory and Musicking I ^{1,2}	2
MUSI 154	Musicianship Skills I ^{1,2}	1
MUSI 203	Musician's Health ^{1,2}	1
MUSI 206	Fundamentals of Conducting ¹	1
MUSI 253	Music Theory and Analysis II ^{1,2}	2
MUSI 254	Music Theory and Analysis III ^{1,2}	2
MUSI 256	Musicianship Skills II ^{1,2}	1
MUSI 257	Musicianship Skills III ^{1,2}	1
MUSI 355	Music Theory and Analysis IV ^{1,2}	2
Select one of the following:		3
MUSI 359	History of Music I ¹	
MUSI 373	History of Music II ¹	
MUSI 435	Music Entrepreneurship ^{1,2}	1
MUSI 473	History of Popular Musics ¹	3
Subtotal		20

Major Applied

Students must earn a "C" or better in each semester of applied major study. Two semesters must be at the 300+ level. Students must earn a "C" or better to move on to the next level.

Select 6 credits of the following:		6
MUSI 279	Applied Piano ¹	
MUSI 281	Applied Voice ¹	
MUSI 282	Applied Strings (Violin, Viola, Cello, Bass) ¹	
MUSI 283	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ¹	

MUSI 284	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ¹	
MUSI 285	Applied Percussion ¹	
Select 6 credits of the following		6
MUSI 479	Applied Piano ¹	
MUSI 481	Applied Voice ¹	
MUSI 482	Applied Strings (Violin, Viola, Cello, Bass) ¹	
MUSI 483	Applied Brass (Trumpet, Horn, Trombone, Tuba, Euphonium) ¹	
MUSI 484	Applied Woodwinds (Oboe, Clarinet, Bassoon, Flute, Saxophone) ¹	
MUSI 485	Applied Percussion ¹	
Subtotal		12

Ensemble Courses

Two semesters must be at the 300+ level. The student must earn a "C" or better in each semester to satisfy the requirement. Students must play in one ensemble every semester up to 6 semesters. See Ensemble Policy below.

Ensembles

MUSI 109	Jazz Combo
MUSI 113	Saxophone Quartet
MUSI 114	Symphonic Wind Ensemble
MUSI 115	Concert Choir
MUSI 116	University Chorus
MUSI 117	Chamber Singers
MUSI 118	Marching Pride
MUSI 119	Concert Band
MUSI 120	Jazz Ensemble
MUSI 121	Symphony Orchestra
MUSI 122	Chamber String Ensemble
MUSI 123	Brass Ensemble
MUSI 124	Woodwind Ensemble
MUSI 125	Percussion Ensemble
MUSI 126	Flute Choir
MUSI 192	Tuba-Euphonium Ensemble
MUSI 193	Jazz Lab Band
MUSI 194	World Percussion Ensemble
MUSI 209	Jazz Combo
MUSI 213	Saxophone Quartet
MUSI 214	Symphonic Wind Ensemble
MUSI 215	Concert Choir
MUSI 216	University Chorus
MUSI 217	Chamber Singers
MUSI 218	Marching Pride
MUSI 219	Concert Band
MUSI 220	Jazz Ensemble
MUSI 221	Symphony Orchestra
MUSI 222	Chamber String Ensemble
MUSI 223	Brass Ensemble
MUSI 224	Woodwind Ensemble
MUSI 225	Percussion Ensemble
MUSI 226	Flute Choir
MUSI 239	Chamber Music Performance

MUSI 292	Tuba-Euphonium Ensemble
MUSI 293	Jazz Lab Band
MUSI 294	World Percussion Ensemble
MUSI 309	Jazz Combo
MUSI 313	Saxophone Quartet
MUSI 314	Symphonic Wind Ensemble
MUSI 315	Concert Choir
MUSI 316	University Chorus
MUSI 317	Chamber Singers
MUSI 318	Marching Pride
MUSI 319	Concert Band
MUSI 320	Jazz Ensemble
MUSI 321	Symphony Orchestra
MUSI 322	Chamber String Ensemble
MUSI 323	Brass Ensemble
MUSI 324	Woodwind Ensemble
MUSI 325	Percussion Ensemble
MUSI 326	Flute Choir
MUSI 392	Tuba-Euphonium Ensemble
MUSI 393	Jazz Lab Band
MUSI 394	World Percussion Ensemble
MUSI 409	Jazz Combo
MUSI 413	Saxophone Quartet
MUSI 414	Symphonic Wind Ensemble
MUSI 415	Concert Choir
MUSI 416	University Chorus
MUSI 417	Chamber Singers
MUSI 418	Marching Pride
MUSI 419	Concert Band
MUSI 420	Jazz Ensemble
MUSI 421	Symphony Orchestra
MUSI 422	Chamber String Ensemble
MUSI 423	Brass Ensemble
MUSI 424	Woodwind Ensemble
MUSI 425	Percussion Ensemble
MUSI 426	Flute Choir
MUSI 492	Tuba-Euphonium Ensemble
MUSI 493	Jazz Lab Band
MUSI 494	World Percussion Ensemble
Subtotal	6

Music Electives 4

MUSI 3xx/4xx	Any 300/400 Level Music course
Required Music Electives - Voice Majors Only	
MUSI 299	Diction for Singers ¹
MUSI 399	Diction for Singers II ¹
Subtotal	4

Total Hours 42¹ Course counts for 50% of Major requirements and Major GPA² Grade of "C" or better must be earned in this course.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Recommended Electives

Code	Title	Hours
MUSI 131	Class Piano I ¹	1
MUSI 132	Class Piano II ¹	1
MUSI 234	Class Piano III ¹	1
MUSI 235	Class Piano IV ¹	1
MUSI 179-479	Applied Piano ¹	1-4
MUSI 301	Women and Music	3
MUSI 360	Keyboard Improvisation	1
or MUSI 361	Instrumental Improvisation	
MUSI 499	Applied Recital	1
MUSI 300/400 level	Additional Applied Minor	1-4

¹ Grade of "C" or better must be earned in this course.

Ensemble Policy

While students are encouraged to participate in a variety of ensemble experiences, students must participate in at least one ensemble on their primary instrument every semester in which they are enrolled at SRU and taking applied lessons.

Students are required to complete an ensemble placement audition each semester after which ensemble directors, in consultation with applied teachers and advisors, will assign semester ensemble placements. Only once all ensembles have been staffed and no other opportunities exist for a specific primary instrument will participation on a secondary instrument be counted toward this requirement.

In addition, music education students whose primary instrument is voice must play an instrument in an instrumental ensemble for at least one semester and music education students whose primary instrument is anything other than voice must sing in a vocal ensemble for at least one semester.

Completed Requirement Checklist

Requirement Description

- Musicianship Health Competency: Can be satisfied by passing the eight Musicianship Health Competency quizzes with scores of 70% or higher OR by earning a C or better in MUSI 203, Musician's Health.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Student leadership development
5. Career education and development
6. Internships
7. Field Experiences

8. Student Teaching

9. Volunteering (schools, health care facilities, churches, communities)

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MUSIC - BA (5 53)/CIM 311

This program is effective as of Summer 2025

Revised 07.07.2025

UCC 11.29.2022

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
Major Applied – 100 level		1
Assigned Ensemble – 100 level (Arts Inquiry 1)		1
MUSI 151	Music Theory and Musicking I (F)	2
MUSI 154	Musicianship Skills I (F)	1
Select one of the following:		1
Music Elective		
MUSI 299	Diction for Singers (voice majors only) (F) ¹	
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Integrated Inquiry/Thread (p. 19)		3
SUBJ 139	Foundations of Academic Discovery ²	3
Hours		16
Spring		
Major Applied – 100 level		1
Assigned Ensemble – 100 level (Arts Inquiry 2)		1
MUSI 203	Musician's Health	1
MUSI 253	Music Theory and Analysis II (S)	2
MUSI 256	Musicianship Skills II (S)	1
Select one of the following:		1
Music Elective		
MUSI 399	Diction for Singers II (voice majors only)(S) ¹	
MATH 117	Quantitative Reasoning	3
Integrated Inquiry/Thread (p. 19)		3
Free Elective		3
Hours		16
Second Year		
Fall		
Major Applied – 200 level		1
Assigned Ensemble – 200 level (Arts Inquiry 3)		1

MUSI 254	Music Theory and Analysis III (F)	2
MUSI 257	Musicianship Skills III (F)	1
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Rock Studies 2 Requirements (p. 19)		3
Foreign Language (101)/Free Elective ³		3
Declare a Thematic Thread		
Hours		14

Spring

Major Applied – 200 level		1
Assigned Ensemble – 200 Level		1
MUSI 355	Music Theory and Analysis IV (S)	2
MUSI 378	Musicianship Skills IV (S)	1
ENGL 104	Critical Reading	3
Foreign Language (102)/ Free Elective ³		3
Free Elective		1
Advanced Standing Review scheduled at the completion of 60 credits		

Third Year**Fall**

Major Applied – 300 level		1
Assigned Ensemble – 300 level		1
MUSI 359	History of Music I	3
Select one of the following:		0-2
MUSI 350	Computer Technology in Music (F) ⁴	
MUSI 351	Arranging & Orchestration (S)	
Rock Studies 2 Requirements (p. 19)		3
Foreign Language (103)/Free Elective ³		3
Free Elective		3
Hours		14-16

Spring

Major Applied – 300 level		1
Assigned Ensemble – 300 level		1
MUSI 373	History of Music II	3
Select one of the following:		0-2
MUSI 350	Computer Technology in Music (F) ⁴	
MUSI 351	Arranging & Orchestration (S)	
Rock Studies 2 Requirements (p. 19)		3
Integrated Inquiry/Thread (p. 19)		3
Free Elective		3
Hours		14-16

Fourth Year**Fall**

Major Applied – 400 level		1
Assigned Ensemble – 400 level		1
MUSI 206	Fundamentals of Conducting	1
MUSI 431	Pedagogy	1
MUSI 473	History of Popular Musics	3
Music Electives		3

Integrated Inquiry/Thread	3
Hours	13
Spring	
Major Applied – 400 level	1
Assigned Ensemble – 400 level	1
Rock Studies 2 Requirements (p. 19)	3
Free Electives	6
Integrated Inquiry/Thread	3
Hours	14
Total Hours**	113-117

¹ All voice majors must take Diction for Singers I (MUSI 299) and II (MUSI 399). These classes will be offered on a rotational basis. If you begin your program in an even year you will take these classes in your freshmen year. If you begin your program in an odd year you will take them in your sophomore year.

² Course offered in multiple subjects; cannot take course in first major subject

³ All candidates for the Bachelor of Arts degree must demonstrate competency in a modern language at the 103 level through course work or placement tests.

⁴ Student will take either Computer Technology in Music or Arranging/Orchestration.

⁵ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 53
Revised: 07.07.2025

Music, Minor

The Minor in Music is designed for the non-music major with a music background to explore a variety of music subjects including music theory, music skills, music history, ensembles, music and free electives, and applied music lessons. Students must pass an audition on their main instrument to be accepted into this program.

For information regarding auditions for the Music Department, please click here (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/auditions/>).

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.00 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Music Theory Courses		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Required Music History Courses		
MUSI 359	History of Music I	3
or MUSI 373	History of Music II	
Applied Lessons (1/2 hour each week)		
Any of the applied lessons approved during student's audition		4
Ensemble		
An ensemble is selected according to a student's Major applied area.		
Select three credits of the following:		3
MUSI 114-414	Symphonic Wind Ensemble	
MUSI 115-415	Concert, Choir	
MUSI 117-417	Chamber Singers	
MUSI 118-418	Marching Pride	
MUSI 119-419	Concert Band	
MUSI 120-420	Jazz Ensemble	
MUSI 121-421	Symphony Orchestra	
MUSI 123-423	Brass Ensemble	
Electives		
Select any two MUSI courses 300 level or above		6
Free Electives		
Select three credits of MUSI courses in Music Major series ¹		3
Total Hours		25

¹ Except for MUSI 130, MUSI 102, MUSI 104, MUSI 105, MUSI 106, MUSI 107, MUSI 201

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC (56A)

Revised 04.03.2020

Music-Voice, Minor

The Music-Voice minor is designed to support students who enjoy singing and to provide a competitive edge in the form of a credential for those interested in working with vocal music professionally or as volunteers. The flexible minor allows the student to tailor their interest towards developing skills in performance, conducting, and vocal and choral methods.

The minor also allows students majoring in education (elementary, middle-level, secondary, etc.) an opportunity to stack credentials, providing a competitive edge for supplemental teaching opportunities in their local districts.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Music-Voice, Minor page (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/programs/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Minor GPA: 2.00 or higher

MINOR REQUIREMENTS

- Students must complete at least 9 credit hours of MUSI in their minor from SRU.
- Students must complete at least 6 credit hours in their minor from SRU.
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.
- Students must earn a grade of "C" or higher in all coursework.

Code	Title	Hours
Required Foundations of Music Coursework		
MUSI 151	Music Theory and Musicking I	2
MUSI 154	Musicianship Skills I	1
MUSI 203	Musician's Health	1
MUSI 253	Music Theory and Analysis II	2
MUSI 256	Musicianship Skills II	1
Required Foundations of Music Education Coursework		8
MUSI 111	Introduction to Music Education	
MUSI 334	Vocal & Choral Methods	
MUSI 357	Music Education for Diverse Learners	
Performance Study		
Select 2 credits from the following:		2
MUSI 131	Class Piano I	
MUSI 132	Class Piano II	
MUSI 133	Class Voice I	
MUSI 134	Functional Voice Skills	
MUSI 179	Applied Piano	

MUSI 181	Applied Voice
MUSI 234	Class Piano III
MUSI 235	Class Piano IV
MUSI 279	Applied Piano
MUSI 281	Applied Voice
Ensembles	
<i>Select 4 credits total, 1 at each level (1XX, 2XX, 3XX, 4XX)</i>	
MUSI 115-415	Concert Choir
MUSI 116-416	University Choir
MUSI 117-417	Chamber Singers
MUSI 237, 437	Opera Performance
Music Education Electives	
<i>Select 4 credits to reach 25 total credits in minor - at least 2 credits must be at the 300/400 level</i>	
MUSI 204	Art and Science of Performing
MUSI 206	Fundamentals of Conducting
MUSI 212	Fundamentals of Conducting Lab
MUSI 335	Early Childhood, Elementary, and Secondary General Music Methods
MUSI 406	Advanced Conducting
MUSI 407	Choral Rehearsal Techniques
Total Hours	25

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN MUSIC FOR EDUCATION: VOCAL MUSIC (56E)

Effective: Fall 2022

Revised 03.31.2022

UCC 10.05.2021

Philosophy

Programs

Majors

- Philosophy, Bachelor of Arts (BA) (p. 771)
- Philosophy, Bachelor of Arts (BA) - Concentration in Career-Related (p. 773)

Minors

- Ethics, Minor (p. 770)
- Philosophy, Minor (p. 775)

Certificates

- Humanities and Health, Certificate (p. 770)

Courses

PHIL 101 - Introduction to Philosophy

A first encounter with the nature and methods of philosophical thinking in which a person's view of his/her own nature and of the world becomes challenged, explored and deepened. Students read a diverse range of primary texts, both classical and contemporary, western and non-western. They may also view films and other media that present philosophical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 110 - Ethics and Civil Discourse

An introduction to the practice of civil discourse through a philosophical study of ethics from theoretical and applied perspectives.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 113 - Formal Logic

An introduction to the standards and methods of inference utilized in formal systems of logic including traditional syllogistic logic and modern propositional logic. Phil 113 is designed to improve students' ability to recognize fallacies in reasoning, to identify and make valid inferences, and to construct sound arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 123 - Ethics

An introduction to the study of questions concerning right action, moral obligation, and an examination of various theories of moral judgment. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially philosophy, and the perennial questions that philosophy addresses. Students engage a diverse range of primary texts in ethics and ethical theory, both classical and contemporary, western and non-western. They also view and analyze films and other media that present ethical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 140 - World Religions

This course is designed to be a survey of religious traditions from across the globe and an exploration of their philosophies and world views. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially religious studies and comparative religion. Students engage a range of primary and secondary texts to gain a comparative understanding of the world's religions.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 163 - Philosophy in Literature

An examination of the philosophical content of poetry, prose, and film of exceptional literary and philosophical merit. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially philosophy, and the perennial questions that philosophy addresses. Students engage a diverse range of literary texts, both classical and contemporary, western and non-western. They also view and analyze films and other media that present philosophical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

PHIL 170 - American Philosophy

An investigation of the historical genesis of American culture through a reading of the prominent philosophical literature the culture has produced.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

PHIL 171 - Philosophy of Human Existence

An investigation into and discussion of the central themes of existential philosophy. Philosophers such as Kierkegaard and Nietzsche will be studied in terms of their retrieval of the meaning of human existence.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 180 - Philosophical Inquiry

This course guides students through the method of philosophical inquiry by exploring philosophical problems and questions in the broader context of humanistic inquiry.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHIL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHIL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 313 - Symbolic Logic

An advanced investigation of logical thought through the use of special techniques of symbolization, the logic of unquantified and quantified propositions, the nature and limits of logical systems and the foundation of mathematics are some of the important topics considered.

Prerequisites: PHIL 113^D or MATH 120^D or MATH 199^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 324 - Environmental Ethics

An analysis of environmental issues using a philosophical understanding of nature, with a consideration of the ethical responsibilities in the use of the earth's resources, behavior toward non-human species, and obligations toward future generations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 325 - Medical/Health Care Ethics

A course in applied ethics about conceptual, ethical, and legal dilemmas in the institutional rights of patients, in the responsibilities of practitioners, in technological challenges to values in the modern age in caring for the seriously ill and the dying, and in rationing health care in a large society.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 326 - Business Ethics

A study of applied ethics about the conceptual and ethical dilemmas in the business professions. An examination of cultural challenges of social and moral responsibility in a technically sophisticated economic climate.

Credits: 3

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 331 - Social and Political Philosophy

An in-depth study of central concepts and issues in social and political thought from multiple, diverse perspectives. Issues may include just and fair societies, theories of political obligation, and theories of citizenship and civic engagement with regard to diverse, heterogeneous communities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 335 - Philosophy of Law and Justice

A study of multiple theories of law and the nature of law's relation to justice with special emphasis on a notion of justice for institutions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 336 - Philosophy of Gender and Sex

This course will examine concepts, values and assumptions relevant to gender and sex in our diverse society. topics to be explored may include the ontological status of gender and sex; the cultural representations of masculinity, femininity and sexuality; or the relationship between gender, society and power, and its epistemological and ethical consequences.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 338 - Ethics, Technology, and the Future

This course considers ethical, sociopolitical, epistemological, and metaphysical issues arising from the design and use of emerging technologies, including information technologies, robots and autonomous machines, neurological and implantable technologies, genetic engineering, and artificial intelligence, as well as the more speculative technologies of science fiction.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

PHIL 341 - Philosophy of Religion

A critical inquiry into the nature and validity of religious belief and experience, its relation to other human interests, its diversity, and its contemporary significance.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 343 - Asian Philosophy

An investigation of the central religions and philosophical ideas of Oriental cultures, focusing primarily on the cultures of India, China, Japan and Southeast Asia.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 351 - Philosophy of Natural Science

An in-depth examination of the nature of natural science, including its aims, methods, central concepts, and limits and a thoughtful appraisal of its significance for the modern age.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 361 - Philosophy of Art

Exploration of basic issues and philosophical views of the experience of the arts. This course aims at the understanding and enhancement of the experience of the arts, and at a thoughtful appraisal of the role of art in life.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 362 - Philosophy of Mind

This course considers philosophical perspectives on the nature of mind and its relation to the world. Topics covered include the mind-body problem, the nature of consciousness, personal identity and the nature of the self, free will and moral responsibility, and the implications of technology for the future of human consciousness.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 371 - Ancient Western Philosophy

A study of the major philosophers and schools of philosophy in the ancient Western world and their influence on the medieval period. The course examines basic questions and concepts in theory of knowledge, logic, ethics, politics, aesthetics, and metaphysics as found in the works of thinkers like Plato, Aristotle, the Presocratics, the Stoics, and the Epicureans. Students will consider how ancient philosophy continues to provide insight and inspiration in the contemporary world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 372 - Modern Western Philosophy

A study of Western philosophy from the Renaissance through the Age of Enlightenment and into the early nineteenth century, this course traces the basic concepts and problems of the period, especially problems of knowledge, ethics, and metaphysics. Students will consider the contribution of modern philosophers to the Scientific Revolution and to the development of the scientific method, as well as how modern philosophy continues to provide insight and inspiration in the contemporary world.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 373 - Modern Authors and Issues

Variable content within the modern contemporary period of philosophical thinking. Repeatable to 6 credits.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 375 - Existentialism and Phenomenology

A study of important twentieth century philosophers in terms of their attempt to establish a new approach to philosophy and their reaction and attempt to overcome Western metaphysics.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 490 - Independent Study

A special course designed primarily for students seeking knowledge in philosophy beyond course offerings. The student's interests, in consultation with department members, determines the topics covered. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Ethics, Minor

Philosophy encourages you to critically examine what passes as "common knowledge," formulate well-reasoned positions on important issues, and express your ideas clearly and carefully. The Philosophy program at SRU fosters excellence in reading, writing, critical thinking, and ethical deliberation. SRU philosophy students have won more top awards at the annual statewide Association for Philosophy and Religious Studies (IAPRS) than any other university within the PA State System of Higher Education.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
PHIL 113	Formal Logic	3
PHIL 123	Ethics	3
Select two of the following:		6
PHIL 324	Environmental Ethics	
PHIL 325	Medical/Health Care Ethics	
PHIL 326	Business Ethics	
PHIL 338	Ethics, Technology, and the Future	
Select one of the following:		3
PHIL 140	World Religions	
PHIL 163	Philosophy in Literature	
PHIL 170	American Philosophy	
PHIL 171	Philosophy of Human Existence	
Select one of the following courses (course cannot be reused from above):		3
PHIL 324	Environmental Ethics	
PHIL 325	Medical/Health Care Ethics	
PHIL 326	Business Ethics	
PHIL 331	Social and Political Philosophy	
PHIL 335	Philosophy of Law and Justice	
PHIL 336	Philosophy of Gender and Sex	
PHIL 338	Ethics, Technology, and the Future	
PHIL 343	Asian Philosophy	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN ETHICS (60B)

This program is effective as of Fall 2020.

Revised 12-2019

UCC 12.3.19

Humanities and Health, Certificate

The Certificate in Health and Humanities is a 12-credit program that allows students in health-related programs an opportunity to integrate your health-related courses with humanities and better understand the ethical and cultural context of healthcare

To access Certificate Requirements, please view the Curriculum Guide tab.

Related Links

Humanities and Health, Certificate Program Page (<https://www.sru.edu/academics/certificates/health-and-humanities-certificate/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
PHIL 325	Medical/Health Care Ethics	3
INDP 309	Health and Society	3
Select two of the following:		6
HCAM 230	US Healthcare Systems	
HLTH 411	Global Health	
HLTH 316	Human Sexuality	
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN HUMANITIES & HEALTH (5HAH)

UCC 03.24.2015

Revised 07.08.2025

Philosophy, Bachelor of Arts (BA)

Program Learning Outcomes

- **Communication:** Students will express philosophical ideas in either oral or written format.
- **Degree Program Writing Competency:** Students will express philosophical ideas clearly and logically in written format.
- **Ethical Analysis:** Identify major ethical paradigms and analyze ethical issues with regard to them.
- **Problem Solving and Critical Thinking:** Break down complex ideas into their elements; perform reasoning tasks efficiently and correctly; clearly identify problems and solutions

Related Links

Philosophy, Major Program Page (<https://www.sru.edu/academics/majors-and-minors/philosophy/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher

Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		33
Electives		45

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)

Natural Sciences Inquiry

SCI 101 Science of Life 3

Physical Sciences Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>)² 12

Total Hours 42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 17 major credits must be taken at SRU or PASSHE
- 17 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
Select one of the following:		3
PHIL 113	Formal Logic ¹	
PHIL 313	Symbolic Logic ¹	
PHIL 123	Ethics ¹	3
Select one of the following:		3
PHIL 331	Social and Political Philosophy ¹	
PHIL 335	Philosophy of Law and Justice ¹	
Select one of the following:		3
PHIL 341	Philosophy of Religion ¹	
PHIL 343	Asian Philosophy ¹	
PHIL 371	Ancient Western Philosophy ¹	3
PHIL 372	Modern Western Philosophy ¹	3

Select one of the following: 3

PHIL 375	Existentialism and Phenomenology ¹
PHIL 362	Philosophy of Mind ¹

Subtotal 21

Philosophy Electives

Select four of the following courses, at least three credits at 300 level or above: 12

PHIL 101	Introduction to Philosophy ¹
PHIL 140	World Religions ¹
PHIL 163	Philosophy in Literature ¹
PHIL 170	American Philosophy ¹
PHIL 171	Philosophy of Human Existence ¹
PHIL 324	Environmental Ethics ¹
PHIL 325	Medical/Health Care Ethics ¹
PHIL 326	Business Ethics ¹
PHIL 331	Social and Political Philosophy ¹
PHIL 335	Philosophy of Law and Justice ¹
PHIL 336	Philosophy of Gender and Sex ¹
PHIL 338	Ethics, Technology, and the Future ¹
PHIL 341	Philosophy of Religion ¹
PHIL 343	Asian Philosophy ¹
PHIL 351	Philosophy of Natural Science ¹
PHIL 361	Philosophy of Art ¹
PHIL 362	Philosophy of Mind ¹
PHIL 373	Modern Authors and Issues ¹
PHIL 375	Existentialism and Phenomenology ¹
PHIL 490	Independent Study ¹
PHIL 498	Selected Topics (repeatable to six credits) ¹

Subtotal 12

Total Hours 33

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Presenting papers at conferences
5. Involvement in Ethics Bowl

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to

ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHILOSOPHY - BA (5 64)

This program is effective as of Fall 2020.

Revised 08.25.2020

UCC 09.23.2025

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
PHIL 123	Ethics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		16
Spring		
ENGL 104	Critical Reading	3
PHIL 101	Introduction to Philosophy	3
MATH 117	Quantitative Reasoning	3
SCI 101	Science of Life	3
Humanities Inquiry (p. 19)		3
Hours		15
Second Year		
Fall		
PHIL 113	Formal Logic	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
MODL 101	Modern Language Requirement	3
SCI 102	Understanding the Physical World	3
Free Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
PHIL 140	World Religions	3
MODL 102	Modern Language Requirement	3
Free Elective		3
Free Elective		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
PHIL 362	Philosophy of Mind	3
PHIL 341	Philosophy of Religion	3
MODL 103	Modern Language Requirement	3
Thematic Thread Requirement (p. 19)		3

Free Elective		3
Hours		15
Spring		
PHIL 371	Ancient Western Philosophy	3
PHIL 331	Social and Political Philosophy	3
Thematic Thread Requirement (p. 19)		3
Free Elective		3
Free Elective		3
Hours		15
Fourth Year		
Fall		
PHIL 372	Modern Western Philosophy	3
Thematic Thread Requirement (p. 19)		3
Philosophy Elective		3
Free Elective		3
Free Elective		3
Hours		15
Spring		
PHIL 375	Existentialism and Phenomenology	3
PHIL 490	Independent Study	3
Free Elective		3
Free Elective		3
Free Elective		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 64

Revised: 09.24.2025

Philosophy, Bachelor of Arts (BA) - Concentration in Career-Related

This is a second major only

A 30 credit second major which allows students to design a program of philosophy courses to complement the student's preparations for a specific career.

Program Learning Outcomes

- **Communication:** Students will express philosophical ideas in either oral or written format.
- **Degree Program Writing Competency:** Students will express philosophical ideas clearly and logically in written format.

- **Ethical Analysis:** Identify major ethical paradigms and analyze ethical issues with regard to them.
- **Problem Solving and Critical Thinking:** Break down complex ideas into their elements; perform reasoning tasks efficiently and correctly; clearly identify problems and solutions

Related Links

Philosophy - Career Related, Major Program Page (<https://www.sru.edu/academics/majors-and-minors/philosophy-career-related/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.0 or higher
Overall GPA: 2.0 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major/Concentration Requirements		30
Electives		48

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Sciences Inquiry</i>		

SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

Code	Title	Hours
Core Requirements		
Select one of the following:		3
PHIL 113	Formal Logic ¹	
PHIL 313	Symbolic Logic ¹	
PHIL 123	Ethics ¹	3
Concentration Tracks		
Select one of the following tracks:		6
<i>Business/Economics/Accounting Management/Marketing Tracks</i>		
PHIL 326	Business Ethics ¹	
PHIL 335	Philosophy of Law and Justice ¹	
<i>Communication Track</i>		
PHIL 170	American Philosophy ¹	
Select one of the following:		

PHIL 163	Philosophy in Literature ¹
PHIL 361	Philosophy of Art ¹
Counseling Track	
PHIL 325	Medical/Health Care Ethics ¹
Select one of the following:	
PHIL 336	Philosophy of Gender and Sex ¹
PHIL 375	Existentialism and Phenomenology ¹
Education Track	
PHIL 170	American Philosophy ¹
PHIL 171	Philosophy of Human Existence ¹
Environmental Studies Track	
PHIL 324	Environmental Ethics ¹
PHIL 351	Philosophy of Natural Science ¹
Fine and Performing Arts Track	
PHIL 163	Philosophy in Literature ¹
PHIL 361	Philosophy of Art ¹
Journalism Track	
PHIL 170	American Philosophy ¹
PHIL 331	Social and Political Philosophy ¹
Law Track	
PHIL 335	Philosophy of Law and Justice ¹
Select one of the following:	
PHIL 331	Social and Political Philosophy ¹
PHIL 170	American Philosophy ¹
Life Sciences Track	
PHIL 324	Environmental Ethics ¹
PHIL 351	Philosophy of Natural Science ¹
Literature Track	
PHIL 163	Philosophy in Literature ¹
PHIL 375	Existentialism and Phenomenology ¹
Medical and Health Care Track	
PHIL 325	Medical/Health Care Ethics ¹
PHIL 351	Philosophy of Natural Science ¹
Ministry Track	
PHIL 341	Philosophy of Religion ¹
Select one of the following:	
PHIL 140	World Religions ¹
PHIL 343	Asian Philosophy ¹
Politics, Sociology/Anthropology Track	
PHIL 331	Social and Political Philosophy ¹
Select one of the following:	
PHIL 335	Philosophy of Law and Justice ¹
PHIL 336	Philosophy of Gender and Sex ¹
Psychology Track	
PHIL 362	Philosophy of Mind ¹
PHIL 375	Existentialism and Phenomenology ¹
Recreation Track	
PHIL 324	Environmental Ethics ¹
PHIL 331	Social and Political Philosophy ¹
Social Welfare Track	
PHIL 331	Social and Political Philosophy ¹
PHIL 375	Existentialism and Phenomenology ¹

Technology Track	
PHIL 338	Ethics, Technology, and the Future ¹
PHIL 375	Existentialism and Phenomenology ¹
Subtotal	12
Required Electives	
Select at least 12 credits from any other philosophy courses	12
Select 6 credits from either philosophy courses or courses in an area related in the field of specialization	6
Subtotal	18
Total Hours	30

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs (short-term, semester, and year-long)
2. High-Impact Practice (HIP) designated classes
3. Student-faculty research
4. Presenting papers at conferences
5. Involvement in Ethics Bowl

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

PHILOSOPHY - BA (5 64)

Concentration in Career Related (CREL)

This program is effective as of Fall 2020.

Revised 09.23.2025

UCC 12.3.2019

Philosophy, Minor

Philosophy encourages you to critically examine what passes as "common knowledge," formulate well-reasoned positions on important issues, and express your ideas clearly and carefully. The Philosophy program at SRU fosters excellence in reading, writing, critical thinking, and ethical deliberation. SRU philosophy students have won more top awards at the annual statewide Association for Philosophy and Religious Studies (IAPRS) than any other university within the PA State System of Higher Education.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Required Courses		
Select six of the following:		18
PHIL 101	Introduction to Philosophy	
PHIL 113	Formal Logic	
PHIL 123	Ethics	
PHIL 140	World Religions	
PHIL 163	Philosophy in Literature	
PHIL 170	American Philosophy	
PHIL 171	Philosophy of Human Existence	
PHIL 313	Symbolic Logic	
PHIL 324	Environmental Ethics	
PHIL 325	Medical/Health Care Ethics	
PHIL 326	Business Ethics	
PHIL 331	Social and Political Philosophy	
PHIL 335	Philosophy of Law and Justice	
PHIL 336	Philosophy of Gender and Sex	
PHIL 338	Ethics, Technology, and the Future	
PHIL 341	Philosophy of Religion	
PHIL 343	Asian Philosophy	
PHIL 351	Philosophy of Natural Science	
PHIL 361	Philosophy of Art	
PHIL 362	Philosophy of Mind	
PHIL 371	Ancient Western Philosophy	
PHIL 372	Modern Western Philosophy	
PHIL 373	Modern Authors and Issues	
PHIL 375	Existentialism and Phenomenology	
PHIL 490	Independent Study (one or more supervised papers on an important philosophical theme)	
PHIL XXX	PHIL Course ¹	
Total Hours		18

¹ Students may select from Experimental courses PHIL 190, PHIL 290, PHIL 390; Workshops PHIL 195, PHIL 295, PHIL 395, PHIL 495; Selected topics PHIL 198, PHIL 298, PHIL 398, PHIL 498.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN PHILOSOPHY (60A)

This program is effective as of Fall 2020.

Revised 07.10.20

UCC 03.24.20

Political Science

Programs

Majors

- Political Science, Bachelor of Arts (BA) - Concentration in General Political Science (p. 779)
- Political Science, Bachelor of Arts (BA) - Concentration in International Politics (p. 781)
- Political Science, Bachelor of Arts (BA) - Concentration in Law and Politics (p. 783)
- Political Science, Bachelor of Arts (BA) - Concentration in Public Policy (p. 786)

Minors

- American Politics, Minor (p. 776)
- Comparative Politics/International Relations, Minor (p. 777)
- International Affairs, Minor (p. 778)
- Political Science, Minor (p. 788)

American Politics, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

PROGRAM LEARNING OUTCOMES

- **Substantive Knowledge:** Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)
- **Critical Thinking:** Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- **Effective Communication:** Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)

- **Research Skills:** Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)
- **Engagement in Politics:** Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Courses		
Select six courses from the following – three courses must be 300 level or higher.		18
POLI 101	American National Government	
POLI 200	State and Local Government	
POLI 223	Law and Courts	
POLI 301	Organized Political Action	
POLI 321	The Presidency	
POLI 325	The Congress	
POLI 328	Assessing Public Opinion	
POLI 333	The Political Film	
POLI 351	Politics of Race	
POLI 354	Seminar in Religion and Politics	
POLI 356	Gay and Lesbian Politics	
POLI 357	Civil Liberties and Civil Rights	
POLI 372	Campaign Management & Strategy	
POLI 375	Women and Politics	
POLI 403	Constitutional Law	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to

ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in American Politics (68A)

This program is effective as of Fall 2019

Revised 09.23.2025

UCC 10.11.2022

Comparative Politics/International Relations, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Comparative Politics Courses		
POLI 263	Introduction to Comparative Politics	3
POLI 369	Politics of Developing Areas	3
Additional courses to be determined by the department.		3
International Relations and Politics Courses		
Select three of the following:		9
POLI 103	International Relations	
POLI 220	Foreign Policy	
POLI 322	Model United Nations	
POLI 365	International Political Economy	
POLI 367	Foreign Policy and International Security	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information*

on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in Comparative Politics and International Relations (68B)
This program is effective as of Fall 2018
Revised 09.23.2025

International Affairs, Minor

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits

Code	Title	Hours
Required Courses		
Select two of the following courses:		6
ECON 105	Economics of Social Issues	
GES 105	World Regional Geography	
POLI 103	International Relations	
Select three of the following courses with six credits at 300 level or higher:		9
COMM 217	Intercultural Communication	
ECON 326	International Economics	
ENGL 402	World Literature	
EVSC 440	Science, Technology and the Environment	
FINA 427	International Financial Management	
FINA 430	International Banking	
GES 242	Geography of Religion	
GES 205	Cultural Geography	
GES 315	Cartography I	
GES 331	Economic Geography	
GES 415	Cartography II	
HLTH 411	Global Health	
POLI 220	Foreign Policy	
POLI 263	Introduction to Comparative Politics	
POLI 322	Model United Nations	
POLI 365	International Political Economy	
POLI 367	Foreign Policy and International Security	
Study of the Culture, History or Politics of a Foreign Country or World Region		
Select at least one course:		3

CHIN 306	Survey of Chinese Civilization and Culture
ENGL 316	Asian Film
FREN 306	France and Francophone Identities Today
GERM 305	German Civilization
GERM 306	Modern German Civilization
GES 303	Asia
GES 308	Europe
GES 309	Africa
HIST 306	Russia Since 1855
HIST 332	Britain Since 1689
HIST 352	Latin America Since 1830
HIST 362	Africa North of the Zambezi
HIST 363	Southern Africa
HIST 381	East Asian Military Traditions
HIST 382	Modern Asian Pacific Rim
HIST 386	Modern China
HIST 427	Nineteenth Century Europe
HIST 462	The Contemporary Middle East
KORN 306	Modern Korean Civilization
RUSS 306	The Challenge of Russian Legacy
SPAN 305	Spain Today
SPAN 335	Women in Hispanic Literature
SPAN 431	Exploring Spanish Culture through Media
SPAN 432	Exploring Latin American Cultures through Media

Total Hours	18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Demonstration of Modern Language Competency at the 103 level

- Chinese
- French
- German
- Korean
- Spanish
- Russian
- Japanese
- Italian

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Minor in International Affairs (68E)
This program is effective as of Fall 2018

Revised 09.23.2025

Political Science, Bachelor of Arts (BA) - Concentration in General Political Science

PROGRAM LEARNING OUTCOMES

- **Substantive Knowledge:** Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)
- **Critical Thinking:** Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- **Effective Communication:** Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)
- **Research Skills:** Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)
- **Engagement in Politics:** Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

RELATED LINKS

Political Science, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/political-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

SUMMARY*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major Requirements	39
	Electives	39

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3

Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Subtotal	15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3

<i>Natural Sciences Inquiry</i>		
SCI 101	Science of Life	3

<i>Physical Sciences Inquiry</i>		
SCI 102	Understanding the Physical World	3

Subtotal	15

Thematic Thread

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12

Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this

requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Major Requirements		
<i>Political Science Core Coursework</i>		
POLI 101	American National Government ¹	3
POLI 103	International Relations ¹	3
POLI 255	Introduction to Public Policy ¹	3
POLI 263	Introduction to Comparative Politics ¹	3
POLI 310	Social Science Research Methods ¹	3
POLI 444	Social Science Capstone ¹	3
<i>General Concentration Required Coursework</i>		
Required Course		3
POLI 215	Introduction to Political Theory ¹	
Select 6 credits in International Relations and Comparative Politics		6
POLI 367	Foreign Policy and International Security ¹	
POLI 369	Politics of Developing Areas ¹	
Select 3 credits in American Political Institutions		3
POLI 223	Law and Courts ¹	
POLI 303	Seminar in Democracy ¹	
POLI 321	The Presidency ¹	
POLI 325	The Congress ¹	
Select nine credits in electives		9
INDP 327	Religion and Society ¹	
POLI 301	Organized Political Action ¹	
POLI 322	Model United Nations ¹	
POLI 328	Assessing Public Opinion ¹	
POLI 333	The Political Film ¹	
POLI 351	Politics of Race ¹	
POLI 356	Gay and Lesbian Politics ¹	
POLI 357	Civil Liberties and Civil Rights ¹	
POLI 359	Policy Analysis and Evaluation ¹	
POLI 365	International Political Economy ¹	
POLI 375	Women and Politics ¹	
POLI 385	War and Political Violence ¹	
POLI 386	Critical Issues in Public Policy ¹	
POLI 403	Constitutional Law ¹	
POLI 450	Internship ¹	
Total Hours		39

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Political Science BA (5 68) with General Concentration (GEPS) / CIM 343
This program is effective as of Summer 2025

Revised 09.23.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
POLI 101	American National Government	3
POLI 255	Introduction to Public Policy	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MODL 1XX	Language and Culture I, II, or III	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
POLI 103	International Relations	3
MATH 117	Quantitative Reasoning	3
MODL 1XX	Language and Culture I, II, or III	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
POLI 255 or POLI 263	Introduction to Public Policy or Introduction to Comparative Politics	3
POLI XXX	Concentration Requirement	3
MODL 1XX	Language and Culture I, II, or III	3
Social Science Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/Second Major		3
Hours		15

Third Year**Fall**

POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
SCI 101	Science of Life	3
Elective/Minor/Certificate/Second Major		3
Thematic Thread Requirement (p. 19)		3
Hours		15

Spring

POLI 310	Social Science Research Methods	3
POLS XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
SCI 102	Understanding the Physical World	3
Elective/Minor/Certificate/Second Major		3
Hours		15

Fourth Year**Fall**

POLI 444	Social Science Capstone	3
POLI XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
Free/Minor/Certificate/Second Major		6
Hours		15

Spring

Free/Minor/Certificate/Second Major		12
POLI XXX	Concentration Requirement	3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 68

Concentration Code: GEPS

Revised: 09.24.2025

Political Science, Bachelor of Arts (BA) - Concentration in International Politics

PROGRAM LEARNING OUTCOMES

- Substantive Knowledge: Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)

- Critical Thinking: Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- Effective Communication: Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)
- Research Skills: Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)
- Engagement in Politics: Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

RELATED LINKS

Political Science, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/political-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		39
Electives		39

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		

Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3
<i>Natural Sciences Inquiry</i>	
SCI 101 Science of Life	3
<i>Physical Sciences Inquiry</i>	
SCI 102 Understanding the Physical World	3
Subtotal	15
Thematic Thread	
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Major Requirements		
<i>Political Science Core Coursework</i>		
POLI 101	American National Government ¹	3
POLI 103	International Relations ¹	3
POLI 255	Introduction to Public Policy ¹	3
POLI 263	Introduction to Comparative Politics ¹	3

POLI 310	Social Science Research Methods ¹	3
POLI 444	Social Science Capstone ¹	3
<i>International Politics Concentration Required Coursework</i>		18
Select 15 credits in International Relations and Comparative Politics		15
POLI 303	Seminar in Democracy ¹	
POLI 365	International Political Economy ¹	
POLI 367	Foreign Policy and International Security ¹	
POLI 369	Politics of Developing Areas ¹	
POLI 385	War and Political Violence ¹	
Select 6 credits in International Politics-Related Electives		6
POLI 215	Introduction to Political Theory ¹	
POLI 322	Model United Nations ¹	
POLI 450	Internship ¹	
COMM 217	Intercultural Communication ¹	
COMM 405	Global Media ¹	
CRIM 328	Transnational Crime & Justice ¹	
GES 303	Asia ¹	
GES 307	Australia ¹	
GES 331	Economic Geography ¹	
GES 344	Environmental Justice ¹	
GES 361	Gender and the Environment ¹	
GES 444	World Environmental Cultures ¹	
HIST 406	Mass Killing and Genocide in the Modern World ¹	
HIST 462	The Contemporary Middle East ¹	
HIST 463	Israel-History, State and Society ¹	
MKTG 303	Issues in Global Business ¹	
Total Hours		39

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Political Science BA (5 68) with Concentration in International Politics (INPL) / CIM 344

This program is effective as of Summer 2025

Revised 09.23.2025

UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
POLI 101	American National Government	3
POLI 255	Introduction to Public Policy	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MODL 1XX	Language and Culture I, II, or III	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
POLI 103	International Relations	3
MATH 117	Quantitative Reasoning	3
MODL 1XX	Language and Culture I, II, or III	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
POLI 255	Introduction to Public Policy	3
or POLI 263	or Introduction to Comparative Politics	
POLI XXX	Concentration Requirement	3
MODL 1XX	Language and Culture I, II, or III	3
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/Second Major		3
Hours		15
Third Year		
Fall		
POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
SCI 101	Science of Life	3
Elective/Minor/Certificate/Second Major		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
POLI 310	Social Science Research Methods	3
POLI XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
SCI 102	Understanding the Physical World	3

Elective/Minor/Certificate/Second Major		3
Hours		15
Fourth Year		
Fall		
POLI 444	Social Science Capstone	3
POLS XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
Free/Minor/Certificate/Second Major		6
Hours		15
Spring		
Free/Minor/Certificate/Second Major		12
POLI XXX	Concentration Requirement	3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5 68

Concentration Code: INPL

Revised: 09.24.2025

Political Science, Bachelor of Arts (BA) - Concentration in Law and Politics

PROGRAM LEARNING OUTCOMES

- Substantive Knowledge: Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)
- Critical Thinking: Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- Effective Communication: Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)
- Research Skills: Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)

- Engagement in Politics: Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

RELATED LINKS

Political Science, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/political-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		39
Electives		39

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	15
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		

Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12

Total Hours	42

- ¹ Course offered in multiple subjects; cannot take course in first major subject.
- ² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		0-3
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 20 major credits must be taken at SRU or PASSHE
- 20 major credits must be taken at the 300 level or above

Code	Title	Hours
Major Requirements		
Political Science Core Coursework		
POLI 101	American National Government ¹	3
POLI 103	International Relations ¹	3
POLI 255	Introduction to Public Policy ¹	3
POLI 263	Introduction to Comparative Politics ¹	3
POLI 310	Social Science Research Methods ¹	3
POLI 444	Social Science Capstone ¹	3
Law and Politics Concentration Required Coursework		
Required Courses		
POLI 215	Introduction to Political Theory	3
POLI 223	Law and Courts ¹	3
POLI 357	Civil Liberties and Civil Rights	3

POLI 403	Constitutional Law	3
Select 6 credits in Politic Science Electives		6
POLI 200	State and Local Government ¹	
POLI 303	Seminar in Democracy ¹	
POLI 321	The Presidency ¹	
POLI 325	The Congress ¹	
POLI 351	Politics of Race ¹	
POLI 359	Policy Analysis and Evaluation ¹	
POLI 450	Internship	
Select 3 credits in Electives		3
COMM 410	Communication Law ¹	
CRIM 110	Introduction to Criminology & Criminal Justice Systems ¹	
CRIM 263	Introduction to Criminal Procedure ¹	
CRIM 422	The Death Penalty ¹	
CSS 352	Law & Ethics in the Workplace ¹	
ENGL 312	Introduction to Shakespeare ¹	
GES 324	Environmental Law and Policy ¹	
HIST 326	The Long Civil Rights Movement ¹	
HIST 423	Ancient Rome ¹	
HIST 453	American Constitutional History and Law ¹	
HSS 441	Terrorism, Law and National Security ¹	
PHIL 113	Formal Logic ¹	
PHIL 123	Ethics ¹	
PHIL 331	Social and Political Philosophy ¹	
PHIL 335	Philosophy of Law and Justice ¹	
SPMT 486	Sport Law and Facilities ¹	
Total Hours		39

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Political Science BA (5 68) with Concentration in Law and Politics (LAPL)

This program is effective as of Summer 2021

Revised 09.23.2025

UCC 10.25.22/11.29.22

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
POLI 101	American National Government	3
POLI 255 or POLI 263	Introduction to Public Policy or Introduction to Comparative Politics	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
MODL 1XX	Language and Culture I, II, or III	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
POLI 103	International Relations	3
MATH 117	Quantitative Reasoning	3
MODL 1XX	Language and Culture I, II, or III	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
POLI 255 or POLI 263	Introduction to Public Policy or Introduction to Comparative Politics	3
POLI XXX	Concentration Requirement	3
MODL 1XX	Language and Culture I, II, or III	3
Creative & Aesthetic Inquiry (p. 19)		3
Social Science Inquiry (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/Second Major		3
Hours		15
Third Year		
Fall		
POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
SCI 101	Science of Life	3
Elective/Minor/Certificate/Second Major		3
Thematic Thread Requirement (p. 19)		3
Hours		15
Spring		
POLI 310	Social Science Research Methods	3
POLI XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
SCI 102	Understanding the Physical World	3

Elective/Minor/Certificate/Second Major		3
Hours		15
Fourth Year		
Fall		
POLI 444	Social Science Capstone	3
POLI XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
Free/Minor/Certificate/Second Major		6
Hours		15
Spring		
Free/Minor/Certificate/Second Major		12
POLI XXX	Concentration Requirement	3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 68
Concentration Code: LAPL
Revised: 09.24.2025

Political Science, Bachelor of Arts (BA) - Concentration in Public Policy

PROGRAM LEARNING OUTCOMES

- Substantive Knowledge: Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)
- Critical Thinking: Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- Effective Communication: Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)
- Research Skills: Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)
- Engagement in Politics: Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

RELATED LINKS

Political Science, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/political-science/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

CURRICULUM GUIDE

GPA REQUIREMENT

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

SUMMARY*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirements		0-3
Major Requirements		36
Electives		42

ROCK STUDIES 2 REQUIREMENTS

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Sciences Inquiry		
SCI 101	Science of Life	3
Physical Sciences Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

MAJOR REQUIREMENTS

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Major Requirements		
<i>Political Science Core Coursework</i>		
POLI 101	American National Government ¹	3
POLI 103	International Relations ¹	3
POLI 255	Introduction to Public Policy ¹	3
POLI 263	Introduction to Comparative Politics ¹	3
POLI 310	Social Science Research Methods ¹	3
POLI 444	Social Science Capstone ¹	3
<i>Public Policy Concentration Required Coursework</i>		
Required Courses		
POLI 351	Politics of Race ¹	3
POLI 359	Policy Analysis and Evaluation ¹	3
Select 3 credits in Substantive Policy coursework		3
INDP 317	Statistics for the Social Sciences ¹	
POLI 365	International Political Economy ¹	
POLI 386	Critical Issues in Public Policy ¹	
POLI 450	Internship ¹	
Select 9 credits in Public Policy-Related Electives		9
POLI 301	Organized Political Action ¹	

POLI 303	Seminar in Democracy ¹
POLI 322	Model United Nations ¹
POLI 328	Assessing Public Opinion ¹
POLI 367	Foreign Policy and International Security ¹
POLI 369	Politics of Developing Areas ¹
POLI 375	Women and Politics ¹
ECON 312	Critical Choices in Health Care Policy ¹
GES 324	Environmental Law and Policy ¹
GES 325	Introduction to Geographic Information Science ¹
GES 344	Environmental Justice ¹
INDP 304	Urban Sociology ¹
INDP 309	Health and Society ¹
INDP 324	The Family ¹
INDP 340	Social Inequality ¹
NLPA 230	Introduction to Public Administration ¹
Total Hours	36

¹ Course counts for 50% of Major requirements and Major GPA

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

Political Science BA (5 68) with Concentration in Public Policy (PUPL) /CIM 347 This program is effective as of Summer 2025
Revised 09.23.2025 UCC 04.29.2025

RECOMMENDED FOUR-YEAR PLAN

Course	Title	Hours
First Year		
Fall		
POLI 101	American National Government	3
POLI 255 or POLI 263	Introduction to Public Policy or Introduction to Comparative Politics	3
ENGL 102	Critical Writing	3
ESAP 101	FIRST Seminar *	1
MODL 1XX	Language and Culture I, II, or III	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
POLI 103	International Relations	3
MATH 117	Quantitative Reasoning	3

MODL 1XX	Language and Culture I, II, or III	3
ENGL 104	Critical Reading	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Hours **15**

Second Year

Fall

POLI 255 or POLI 263	Introduction to Public Policy or Introduction to Comparative Politics	3
POLS XXX	Concentration Requirement	3
MODL 1XX	Language and Culture I, II, or III	3
Social Science Inquiry (p. 19)		3
Creative & Aesthetic Inquiry (p. 19)		3
Declare a Thematic Thread ²		

Hours **15**

Spring

POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
Humanities Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective/Minor/Certificate/Second Major		3

Hours **15**

Third Year

Fall

POLI XXX	Concentration Requirement	3
POLI XXX	Concentration Requirement	3
SCI 101	Science of Life	3
Elective/Minor/Certificate/Second Major		3
Thematic Thread Requirement (p. 19)		3

Hours **15**

Spring

POLI 310	Social Science Research Methods	3
POLS XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
SCI 102	Understanding the Physical World	3
Elective/Minor/Certificate/Second Major		3

Hours **15**

Fourth Year

Fall

POLI 444	Social Science Capstone	3
POLS XXX	Concentration Requirement	3
Thematic Thread Requirement (p. 19)		3
Free/Minor/Certificate/Second Major		6

Hours **15**

Spring

Free/Minor/Certificate/Second Major		12
POLI XXX	Concentration Requirement	3

Hours **15**

Total Hours** **121**

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 68

Concentration Code: PUPL

Revised: 09.24.2025

Political Science, Minor

PROGRAM LEARNING OUTCOMES

- **Substantive Knowledge:** Political Science students will demonstrate substantive knowledge of institutions, processes and values that shape politics within and among states, and the major theories, concepts, foundations, and methodologies used in the study of politics. (UG 9)
- **Critical Thinking:** Political Science students will develop the capacity to think critically about local, state, national, and global politics. (UG 2)
- **Effective Communication:** Political Science students will be able to present and defend their ideas, the information that they have acquired, and the analyses developed while utilizing scholarly approaches in political science. (UG 1)
- **Research Skills:** Political Science students will demonstrate competency with basic tools underlying modern social and political science research, including proficiency in both quantitative and qualitative analysis, which will allow students to ask and answer basic political questions. (UG 3, UG 4)
- **Engagement in Politics:** Political Science students will be prepared for active citizenship and demonstrate an ongoing interest in local, state, national and global politics. (UG 7)

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above).
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Minor Requirement		
Select six courses from the following:		18
POLI 101	American National Government	
POLI 103	International Relations	
POLI 200	State and Local Government	
POLI 215	Introduction to Political Theory	
POLI 223	Law and Courts	
POLI 255	Introduction to Public Policy	
POLI 263	Introduction to Comparative Politics	
POLI 301	Organized Political Action	
POLI 303	Seminar in Democracy	
POLI 310	Social Science Research Methods	
POLI 321	The Presidency	
POLI 322	Model United Nations	
POLI 325	The Congress	
POLI 328	Assessing Public Opinion	
POLI 333	The Political Film	
POLI 351	Politics of Race	
POLI 354	Seminar in Religion and Politics	
POLI 356	Gay and Lesbian Politics	
POLI 357	Civil Liberties and Civil Rights	
POLI 359	Policy Analysis and Evaluation	
POLI 364	Using Evidence to Solve Public Problems	
POLI 365	International Political Economy	
POLI 367	Foreign Policy and International Security	
POLI 369	Politics of Developing Areas	
POLI 372	Campaign Management & Strategy	
POLI 375	Women and Politics	
POLI 385	War and Political Violence	
POLI 403	Constitutional Law	
Total Hours		18

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN POLITICAL SCIENCE (68C)

This program is effective as of Fall 2019

Revised 09.23.2025

UCC 10.11.2022

Theatre Programs

Majors

- Acting, Bachelor of Fine Arts (BFA) - Concentration in Acting (p. 789)
- Acting, Bachelor of Fine Arts (BFA) - Concentration in Musical Theatre (p. 792)
- Theatre, Bachelor of Arts (BA) - Concentration in Acting (p. 797)
- Theatre, Bachelor of Arts (BA) - Concentration in Design & Technology (p. 800)
- Theatre, Bachelor of Arts (BA) - Concentration in Theatre Arts Management (p. 803)
- Theatre, Bachelor of Arts (BA) - Concentration in Theatre Studies (p. 806)

Minors

- Theatre, Minor (p. 809)

Certificates

- Theatre Arts Management, Certificate (p. 795)

Acting, Bachelor of Fine Arts (BFA) - Concentration in Acting

Program Learning Outcomes

Students in the BA Acting and BFA Acting programs will acquire the techniques necessary for the confident, skilled performance of dramatic roles (U01, U02, U05, U06, U09). Students will:

- gain the tools to analyze and develop characters, and to create a meaningful personal connection to their roles;
- master the ability to listen and respond truthfully in the moment;
- gain the tools necessary to achieve a flexible, strong, and controlled voice and body to be used effectively as instruments for characterization.

ACTING – Acting Concentration, BFA

Students in the BFA Acting, Acting concentration will acquire the specific skills necessary for a career as a theatre performer (U01, U02, U05, U06). Students will:

- achieve the highest possible level of performance as an actor;
- achieve professional, entry-level competence in acting including significant technical mastery, and the capability to solve professional problems independently.

THEATRE DEPARTMENT, OVERALL

- **Communication (U01, U02):** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically.

- **Creation/Production/Performance (U02, U05, U06, U08, U09):** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment.
- **Professional Proficiency (U05, U08):** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community.
- **Historical Knowledge (U02, U05, U09):** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses.
- **Degree Program Writing Competency (U01, U02, U05):** Students will gain the ability to write clearly and effectively.

Related Links

Acting, BFA Program Page ([https://www.sru.edu/academics/majors-and-minors/theatre-bfa-acting-\(acting/\)](https://www.sru.edu/academics/majors-and-minors/theatre-bfa-acting-(acting/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Other Basic Requirments		0-3
Major/Concentration Requirements		78

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	

Subtotal	15	
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)	3	
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal	15	
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²	12	
Subtotal	12	
Total Hours	42	

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Writing Competency Requirements

Requirement	Course	Grade
Scholarly Paper in MLA format		ASPM
Professional Resume		APR
Professional Cover Letter		APCL

Major/Concentration Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
DANC 125	Experiencing Dance: Techniques and Styles	3
THEA 132	Stagecraft	3
THEA 133	Acting I	3
THEA 142	Wellness for the Actor	3
THEA 222	Acting II	3
THEA 281	Survey of Dramatic Literature I	3
THEA 283	Survey of Dramatic Literature II	3
THEA 303	Acting III	3
THEA 324	Stage Makeup	3
THEA 351	Movement for the Actor	3
THEA 353	Voice for the Actor	3
THEA 404	Acting IV: Scene Study	3
THEA 425	Professional Theatre Practice	3
THEA 442	Senior Showcase	3
Subtotal		42
Acting Concentration Core		
THEA 310	Acting for the Camera	3
THEA 322	Acting Technique (Repeat 2 times)	6
THEA 328	Acting Shakespeare	3
THEA 337	Directing	3
THEA 342	IPA/Dialects	3
THEA 344	Auditioning	3
THEA 394	Theories of Acting and Directing	3
Subtotal		24
Electives		
<i>Health and Fitness Elective</i>		
Select one course from the following:		3
EXER 230	Stress Management	
HLTH 101	Personal Health	
PHED 342	Wellness through Movement	
<i>Career Enhancement Elective</i>		
Select one course from the following:		3
THEA 159	Introduction to Theatre Arts Management	
THEA 215	Drawing/Drafting/CAD	
THEA 235	Costume Technology	
THEA 269	Playwriting	
THEA 332	Advanced Stagecraft	
THEA 333	Scene Design	
THEA 334	Stage Lighting	
THEA 335	Costume Design and History	
THEA 345	Stage Management and Safety	
THEA 359	Studies in Audience Development	
THEA 392	History of Musical Theatre	
THEA 498	Selected Topics (Scene Painting)	
<i>Advanced Acting Electives</i>		
Select six credits from the following:		6
DANC XXX	Dance course ¹	

THEA 145	Musicianship for Musical Theatre I ^{Requires permission of the instructor}
THEA 151	Rehearsal and Production
THEA 246	Private Musical Theatre Voice ^{Requires permission of the instructor}
THEA 248	Musical Theatre Song Repertoire ^{Requires permission of the instructor}
THEA 254	Musical Theatre Dance I
THEA 302	Acting for Song I ^{Requires permission of the instructor}
THEA 322	Acting Technique ^{Course is repeatable for a maximum of 12 credits}
THEA 329	Shakespeare Tour
THEA 339	New Play Development
THEA 340	International Theatre Experience
THEA 348	Pop/Rock Song Repertoire ^{Requires permission of the instructor}
THEA 354	Musical Theatre Dance II
THEA 355	Projects in Theatre
THEA 450	Internship
THEA 490	Independent Study
THEA 498	Selected Topics
Subtotal	12
Total Hours	78

¹ Choose from DANC 125, DANC 220, DANC 221, DANC 222, DANC 224, DANC 298, DANC 305, DANC 320, DANC 321, DANC 322, DANC 420, DANC 421, DANC 422, DANC 424, DANC 426, DANC 428.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report

and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

ACTING- BFA (5390)

Concentration in Acting (THPE)

This program is effective as of Fall 2022.

Revised 09.23.2025

UCC 02.14.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 132	Stagecraft	3
THEA 133	Acting I	3
THEA 142	Wellness for the Actor (F)	3
ENGL 102	Critical Writing ¹	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
THEA 222	Acting II (S) ¹	3
DANC 125	Experiencing Dance: Techniques and Styles	3
ENGL 104	Critical Reading ¹	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
THEA 303	Acting III	3
THEA 328	Acting Shakespeare	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
Creative & Aesthetic Inquiry (p. 19)		3
Acting Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
THEA 324	Stage Makeup (S)	3
THEA 342	IPA/Dialects	3
THEA 351	Movement for the Actor	3
THEA 404	Acting IV: Scene Study	3
Thematic Thread Requirement (p. 19)		3
Hours		15
Third Year		
Fall		
THEA 281	Survey of Dramatic Literature I	3

THEA 322	Acting Technique	3
SCI 102	Understanding the Physical World	3
Thematic Thread Requirement (p. 19)		3
Social Science Inquiry (p. 19)		3
Hours		15

Spring

THEA 283	Survey of Dramatic Literature II	3
THEA 310	Acting for the Camera	3
THEA 322	Acting Technique	3
THEA 337	Directing	3
THEA 353	Voice for the Actor	3
Hours		15

Fourth Year

Fall

THEA 322	Acting Technique (F)	3
THEA 344	Auditioning	3
THEA 425	Professional Theatre Practice (F)	3
SCI 102	Understanding the Physical World	3
or SCI 101	or Science of Life	
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		18

Spring

THEA 342	IPA/Dialects	3
Acting Electives		6
Thematic Thread Requirement (p. 19)		3
Hours		12
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

! Indicates a course which requires a grade of C or better.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5390

Concentration Code: THPE

Revised date: 09.24.2025

Acting, Bachelor of Fine Arts (BFA) - Concentration in Musical Theatre Program Learning Outcomes

Students in the BA Acting and BFA Acting programs will acquire the techniques necessary for the confident, skilled performance of dramatic roles (U01, U02, U05, U06, U09). Students will:

- gain the tools to analyze and develop characters, and to create a meaningful personal connection to their roles;
- master the ability to listen and respond truthfully in the moment;
- gain the tools necessary to achieve a flexible, strong, and controlled voice and body to be used effectively as instruments for characterization.

ACTING – Musical Theatre Concentration, BFA

Students in the BFA Acting, Musical Theatre Performance concentration will acquire the specific skills necessary for a career as a musical theatre performer (U01, U02, U05, U06). Students will:

- achieve the highest possible level of performance as an actor-singer.
- achieve professional, entry-level competence in musical theatre including significant technical mastery, and the capability to solve professional problems independently.

THEATRE DEPARTMENT, OVERALL

- **Communication (U01, U02):** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically.
- **Creation/Production/Performance (U02, U05, U06, U08, U09):** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment.
- **Professional Proficiency (U05, U08):** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community.
- **Historical Knowledge (U02, U05, U09):** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses.
- **Degree Program Writing Competency (U01, U02, U05):** Students will gain the ability to write clearly and effectively.

Related Links

Acting - Musical Theatre, BFA Program Page ([https://www.sru.edu/academics/majors-and-minors/theatre-bfa-acting-\(musical-theatre/\)](https://www.sru.edu/academics/majors-and-minors/theatre-bfa-acting-(musical-theatre/)))

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 3.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	78

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major Requirements

- 39 major credits must be taken at SRU or PASSHE
- 39 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
DANC 125	Experiencing Dance: Techniques and Styles	3
THEA 132	Stagecraft	3
THEA 133	Acting I	3
THEA 142	Wellness for the Actor	3
THEA 222	Acting II	3
THEA 281	Survey of Dramatic Literature I	3
THEA 283	Survey of Dramatic Literature II	3
THEA 303	Acting III	3
THEA 324	Stage Makeup	3
THEA 351	Movement for the Actor	3
THEA 353	Voice for the Actor	3
THEA 404	Acting IV: Scene Study	3
THEA 425	Professional Theatre Practice	3
THEA 442	Senior Showcase	3
Subtotal		42
Musical Theatre Concentration		
THEA 145	Musicianship for Musical Theatre I	3
THEA 146	Class Voice For Musical Theatre	2
THEA 147	Musicianship for Musical Theatre II	3
THEA 246	Private Musical Theatre Voice ^{Repeated 5 times for 5 total credits}	5
THEA 248	Musical Theatre Song Repertoire	3
THEA 302	Acting for Song I	3
THEA 304	Acting for Song II	3
THEA 347	Auditioning for Musical Theatre	3
THEA 348	Pop/Rock Song Repertoire	3
THEA 392	History of Musical Theatre	3
THEA 446	Musical Theatre Voice Capstone	1
Select two of the following:		4
DANC 125	Experiencing Dance: Techniques and Styles Can be repeated for a total of 9 credits	
DANC 220	Modern Dance Technique: Level II	

DANC 221	Ballet II	
DANC 222	Jazz Dance II	
DANC 224	Improvisation	
DANC 298	Selected Topics	
DANC 305	Society and Social Dance	
DANC 320	Modern Dance Technique: Level III	
DANC 321	Ballet III	
DANC 322	Jazz Dance III	
DANC 420	Modern Dance Technique: Level IV	
DANC 421	Ballet IV	
DANC 422	Jazz Dance IV	
DANC 424	Contemporary Partnering	
DANC 426	Modern Dance Technique: Level V	
DANC 428	Modern Dance Technique: Level VI	
THEA 254	Musical Theatre Dance I	
THEA 354	Musical Theatre Dance II	
Subtotal		36
Total Hours		78

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

THEATRE - BFA (5390) / CIM 32

Concentration in Musical Theatre (MTHP)

This program is effective as of Summer 2023

Revised 09.23.2025
UCC 10.29.2024

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 133	Acting I	3
THEA 142	Wellness for the Actor (F)	3
THEA 145	Musicianship for Musical Theatre I (F) ¹	3
THEA 146	Class Voice For Musical Theatre	2
DANC 125	Experiencing Dance: Techniques and Styles	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
Hours		18
Spring		
THEA 145	Musicianship for Musical Theatre I	3
THEA 222	Acting II (S) ¹	3
THEA 246	Private Musical Theatre Voice	1
ENGL 104	Critical Reading	3
SUBJ 139	Foundations of Academic Discovery ¹	3
Humanities Inquiry (p. 19)		3
Hours		16
Second Year		
Fall		
THEA 132	Stagecraft	3
THEA 246	Private Musical Theatre Voice	1
THEA 281	Survey of Dramatic Literature I	3
THEA 303	Acting III (F) ¹	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Declare a Thematic Thread ²		
Hours		16
Spring		
THEA 246	Private Musical Theatre Voice	1
THEA 324	Stage Makeup	3
THEA 348	Pop/Rock Song Repertoire	3
THEA 392	History of Musical Theatre	3
THEA 404	Acting IV: Scene Study	3
Musical Theatre Concentration Dance Class I		2-3
Hours		15-16
Third Year		
Fall		
THEA 246	Private Musical Theatre Voice	1
THEA 281	Survey of Dramatic Literature I	3
THEA 302	Acting for Song I	3
SCI 101	Science of Life	3
or SCI 102	or Understanding the Physical World	
Musical Theatre Concentration Dance Class 2		2-3

Thematic Thread Requirement (p. 19)		3
Hours		15-16
Spring		
THEA 246	Private Musical Theatre Voice	1
THEA 283	Survey of Dramatic Literature II	3
THEA 304	Acting for Song II	3
THEA 351	Movement for the Actor	3
THEA 353	Voice for the Actor	3
Thematic Thread Requirement (p. 19)		3
Hours		16
Fourth Year		
Fall		
THEA 347	Auditioning for Musical Theatre (F) ¹	3
THEA 446	Musical Theatre Voice Capstone	1
THEA 425	Professional Theatre Practice (F)	3
Social Science Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		13
Spring		
THEA 442	Senior Showcase	3
SCI 102	Understanding the Physical World	3
Creative & Aesthetic Inquiry (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Hours		12
Total Hours**		121-123

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

* Students are encouraged to take ESAP 101 as a Free Elective.

! Indicates a course which requires a grade of C or better.

****This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.**

Major Code: 5390

Concentration Code: MTHP

Revised date: 09.24.2025

Theatre Arts Management, Certificate Program Learning Outcomes

Students in the BA Theatre, Theatre Arts Management concentrations will develop skills and gain knowledge related to the management, administration and support of nonprofit cultural agencies, institutions, and performing arts organizations. Through classroom, production, practical, and internship activities, students will:

- gain an understanding of board development, institutional advancement, communications, and community-based development activities. (aligns with University Learning Outcomes 5,7,8,9)

- gain a functional knowledge of fundraising; annual campaigns; grant writing; event planning; and individual, corporate, business, and foundation funding. (aligns with University Learning Outcomes 5,7,8,9)
- gain an understanding of current policy issues affecting the arts, policy making processes, and the best practices for advocacy. (aligns with University Learning Outcomes 5,7,8,9)
- develop, conduct, and construct effective marketing research and plans. (aligns with University Learning Outcomes 1,2,5,7,8,9)
- develop, conduct, and construct effective audience development research and plans. (aligns with University Learning Outcomes 1,2,5,7,8,9)
- identify and understand the history, organizational structures, practices, current policy issues, and standard matters related to the nonprofit arts sector. (aligns with University Learning Outcomes 1,2,5,7,8,9)

THEATRE DEPARTMENT, OVERALL

- **Communication:** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Creation/Production/Performance:** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment. (aligns with University Learning Outcomes 1,2,5,6,7,8,9)
- **Professional Proficiency:** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community. (aligns with University Learning Outcomes 1,2,5,6,8,9)
- **Historical Knowledge:** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Degree Program Writing Competency:** Students will gain the ability to write clearly and effectively. (aligns with University Learning Outcomes 1,5)

Related Links

Theatre Arts Management, Certificate Program Page (<https://www.sru.edu/academics/majors-and-minors/theatre-ba-theatre-arts-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Certificate Requirements

Code	Title	Hours
Required Core Courses		
THEA 159	Introduction to Theatre Arts Management	3
NLPA 101	Introduction to Nonprofit Management	3
Subtotal		6
Theatre Elective		
Select 3 credits from the following:		3
THEA 151	Rehearsal and Production	
THEA 345	Stage Management and Safety	
THEA 359	Studies in Audience Development	
THEA 450	Internship	
Subtotal		3
Management Elective		
Select 3 credits from the following:		3
ACCT 209	Financial Accounting ¹	
ACCT 322	Business Analysis and Decision Making	
COMM 231	Principles of Integrated Marketing Communication & Public Relations	
COMM 235	Introduction to Digital Design	
COMM 248	Interactive Multimedia 1	
COMM 254	Video Production	
COMM 307	Social Media ¹	
COMM 315	Organizational Communication	
COMM 317	Topics in Global and Intercultural Communication	
ENGL 205	Introduction to Professional Writing	
FINA 303	Issues in Global Business	
LEAD 251	Leadership Theory	
MGMT 351	Organizational Behavior	
MGMT 354	Human Resources Management	
MKTG 230	Principles of Marketing	
NLPA 120	Civic Engagement and Community Decision-Making	
NLPA 305	Financial Best Practices for Decision Makers	
NLPA 320	Community Change and Development	
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	
Subtotal		3
Total Hours		12

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
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Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

Certificate in Theatre Arts Management (5TAM)

This program is effective as of Spring 2025

Revised 09.23.2025

UCC 10.29.2024

Theatre, Bachelor of Arts (BA) - Concentration in Acting

Program Learning Outcomes

Students in the BA Acting and BFA Acting programs will acquire the techniques necessary for the confident, skilled performance of dramatic roles. Students will:

- gain the tools to analyze and develop characters, and to create a meaningful personal connection to their roles. (aligns with University Learning Outcomes 1,2,5,6,9)
- master the ability to listen and respond truthfully in the moment. (aligns with University Learning Outcomes 1,2,5,6,9)
- gain the tools necessary to achieve a flexible, strong, and controlled voice and body to be used effectively as instruments for characterization. (aligns with University Learning Outcomes 1,2,5,6,9)

ACTING – Acting Concentration, BFA

Students in the BFA Acting, Acting concentration will acquire the specific skills necessary for a career as a theatre performer. Students will:

- achieve the highest possible level of performance as an actor. (aligns with University Learning Outcomes 1,2,5,6,9)

- achieve professional, entry-level competence in acting including significant technical mastery, and the capability to solve professional problems independently. (aligns with University Learning Outcomes 1,2,5,6,9)

THEATRE DEPARTMENT, OVERALL

- **Communication:** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Creation/Production/Performance:** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment. (aligns with University Learning Outcomes 1,2,5,6,7,8,9)
- **Professional Proficiency:** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community. (aligns with University Learning Outcomes 1,2,5,6,8,9)
- **Historical Knowledge:** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Degree Program Writing Competency:** Students will gain the ability to write clearly and effectively. (aligns with University Learning Outcomes 1,5)

Related Links

Theatre - Concentration in Acting, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/theatre-ba-acting/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits. Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
Creative and Aesthetic Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Humanities Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Social Science Inquiry		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
Natural Science Inquiry		
SCI 101	Science of Life	3
Physical Science Inquiry		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
THEA 131	Fundamentals of Acting	3
THEA 132	Stagecraft	3
THEA 281	Survey of Dramatic Literature I	3
THEA 283	Survey of Dramatic Literature II	3
THEA 337	Directing *	3
THEA 425	Professional Theatre Practice *	3
Subtotal		18
Acting Concentration Core		
THEA 151	Rehearsal and Production	1
THEA 151	Rehearsal and Production	1
THEA 151	Rehearsal and Production	1
THEA 222	Acting II *	3
THEA 322	Acting Technique *	3
THEA 324	Stage Makeup *	3
THEA 328	Acting Shakespeare *	3
THEA 351	Movement for the Actor *	3
OR		
THEA 353	Voice for the Actor *	
THEA 394	Theories of Acting and Directing	3
Subtotal		21
BA Acting Electives		
Select three credits from the following:		3
THEA 142	Wellness for the Actor	
THEA 159	Introduction to Theatre Arts Management	
THEA 215	Drawing/Drafting/CAD	
THEA 235	Costume Technology	
THEA 248	Musical Theatre Song Repertoire **	
THEA 269	Playwriting	
THEA 302	Acting for Song I **	
THEA 303	Acting III *	
THEA 310	Acting for the Camera *	

THEA 322	Acting Technique	Repeatable for max of 12 credits.
THEA 329	Shakespeare Tour	**
THEA 339	New Play Development	**
THEA 340	International Theatre Experience	**
THEA 342	IPA/Dialects	*
THEA 344	Auditioning	*
THEA 345	Stage Management and Safety	*
THEA 351	Movement for the Actor	*
THEA 353	Voice for the Actor	*
THEA 355	Projects in Theatre	
THEA 359	Studies in Audience Development	
THEA 450	Internship	*
THEA 490	Independent Study	
THEA 498	Selected Topics (Scene Painting)	
Subtotal		3
Total Hours		42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

** Some courses may require permission from the instructor in order for students to register.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

THEATRE - BA (5 92)
Concentration in Acting (ACTI)

This program is effective as of Summer 2022.

Revised 09.23.2025

UCC 03.21.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 131	Fundamentals of Acting	3
THEA 132	Stagecraft	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
THEA 222	Acting II	3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		15
Second Year		
Fall		
THEA 281	Survey of Dramatic Literature I	3
THEA 322	Acting Technique (or Rock Studies Requirement)	3
THEA 328	Acting Shakespeare	3
BA Acting Elective		3
Modern Language 101		3
Rock Studies 2 Requirement (p. 19)		3
Declare a Thematic Thread ²		
Hours		15
Spring		
THEA 151	Rehearsal and Production	1
THEA 283	Survey of Dramatic Literature II	3
THEA 324	Stage Makeup	3
Modern Language 102		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		16
Third Year		
Fall		
THEA 151	Rehearsal and Production	1
Select one of the following:		3
THEA 351	Movement for the Actor	
THEA 353	Voice for the Actor	
Elective		
THEA 394	Theories of Acting and Directing	3
Modern Language 103		3
Rock Studies 2 Requirement (p. 19)		3

Thematic Thread Requirement (p. 19)	3
Hours	16
Spring	
THEA 337 Directing	3
Select one of the following:	3
THEA 351 Movement for the Actor	
THEA 353 Voice for the Actor	
Elective	
Rock Studies 2 Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Elective	3
Hours	15
Fourth Year	
Fall	
THEA 425 Professional Theatre Practice	3
Rock Studies 2 Requirement (p. 19)	3
Thematic Thread Requirement (p. 19)	3
Elective	3
Elective	3
Hours	15
Spring	
THEA 151 Rehearsal and Production	1
Thematic Thread Requirement (p. 19)	3
Elective	3
Elective	3
Elective	3
Hours	13
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Students may also select a Rock Studies 2 Thematic Thread Course.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 92
Concentration: ACTI
Revised: 07.17.2025

Theatre, Bachelor of Arts (BA) - Concentration in Design & Technology

Program Learning Outcomes

Students in the BA Theatre, Design & Technology concentration will gain technical and design skills requisite for self-expression in at least one major area of production. Students will:

- gain the knowledge and skills sufficient to work in both collaborative and individual roles in matters of theatre interpretation.
- learn the skills necessary to make, justify, and execute original design choices and technical/construction methodologies.
- gain proficiency in at least one technical area.

THEATRE DEPARTMENT, OVERALL

- **Communication:** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically.
- **Creation/Production/Performance:** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment.
- **Professional Proficiency:** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community.
- **Historical Knowledge:** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses.

Degree Program Writing Competency: Students will gain the ability to write clearly and effectively.

Related Links

Theatre - Design & Technology, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/theatre-ba-design-and-technology/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher
Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirements	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
THEA 131	Fundamentals of Acting ¹	3
THEA 132	Stagecraft ¹	3
THEA 281	Survey of Dramatic Literature I ¹	3
THEA 283	Survey of Dramatic Literature II ¹	3
THEA 337	Directing ¹	3
THEA 425	Professional Theatre Practice ¹	3
Subtotal		18
Design & Technology Concentration		
THEA 151	Rehearsal and Production ¹	1
THEA 151	Rehearsal and Production ¹	1
THEA 151	Rehearsal and Production ¹	1
THEA 215	Drawing/Drafting/CAD ¹	3
THEA 235	Costume Technology ¹	3
THEA 333	Scene Design ¹	3
THEA 334	Stage Lighting ¹	3
THEA 335	Costume Design and History ¹	3
THEA 393	History of Theatre Design and Architecture ¹	3
Subtotal		21

Design & Technology Advance Electives

Select three credits from the following:		3
THEA 324	Stage Makeup ¹	
THEA 329	Shakespeare Tour ¹	
THEA 332	Advanced Stagecraft ¹	

THEA 339	New Play Development ¹	
THEA 340	International Theatre Experience ¹	
THEA 345	Stage Management and Safety ¹	
THEA 355	Projects in Theatre ¹	
THEA 359	Studies in Audience Development ¹	
THEA 394	Theories of Acting and Directing ¹	
THEA 450	Internship ¹	
THEA 490	Independent Study ¹	
THEA 498	Selected Topics ¹	
Subtotal		3
Total Hours		42

¹ Course counts for 50% of Major requirements and Major GPA.

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

THEATRE - BA (5 92)

Concentration in Design & Technology (DEST)

This program is effective as of Fall 2019.

Revised 09.23.2025

UCC RISP 2019

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 132	Stagecraft	3
THEA 215	Drawing/Drafting/CAD	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Rock Studies 2 Requirement (p. 19)		3
Hours		16

Spring		
THEA 131	Fundamentals of Acting	3
THEA 235	Costume Technology	3
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		15

Second Year		
Fall		
THEA 281	Survey of Dramatic Literature I	3
Modern Language 101		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15

Spring		
THEA 151	Rehearsal and Production	1
THEA 283	Survey of Dramatic Literature II	3
THEA 333	Scene Design	3
or THEA 334	or Stage Lighting	
Modern Language 102		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		16

Third Year		
Fall		
THEA 335	Costume Design and History	3
Select one of the following:		3
BA Design & Technology Elective (THEA 3XX) ³		
Rock Studies 2 Requirement (p. 19)		
Modern Language 103		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15

Spring		
THEA 151	Rehearsal and Production	1
THEA 334	Stage Lighting	3
or THEA 333	or Scene Design	
THEA 337	Directing	3
THEA 393	History of Theatre Design and Architecture	3

Rock Studies 2 Requirement (p. 19)	3
Select 3 Credits (p. 19)	3
Hours	16
Fourth Year	
Fall	
THEA 425 Professional Theatre Practice	3
Rock Studies 2 Requirement (p. 19)	3
Select 3 Credits (p. 19)	3
Elective	3
Elective	3
Hours	15
Spring	
THEA 151 Rehearsal and Production	1
Thematic Thread Requirement (p. 19)	3
Elective	3
Elective	3
Elective	3
Hours	13
Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Students may also select a Rock Studies 2 Thematic Thread Course.

⁴ Students may also select an Elective.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5390

Concentration Code: THPE

Revised date: 05.30.2024

Theatre, Bachelor of Arts (BA) - Concentration in Theatre Arts Management

Program Learning Outcomes

Students in the BA Theatre, Theatre Arts Management concentrations will develop skills and gain knowledge related to the management, administration and support of nonprofit cultural agencies, institutions, and performing arts organizations. Through classroom, production, practical, and internship activities, students will:

- gain an understanding of board development, institutional advancement, communications, and community-based development activities. (aligns with University Learning Outcomes 5,7,8,9)
- gain a functional knowledge of fundraising; annual campaigns; grant writing; event planning; and individual, corporate, business, and foundation funding. (aligns with University Learning Outcomes 5,7,8,9)

- gain an understanding of current policy issues affecting the arts, policy making processes, and the best practices for advocacy. (aligns with University Learning Outcomes 5,7,8,9)
- develop, conduct, and construct effective marketing research and plans. (aligns with University Learning Outcomes 1,2,5,7,8,9)
- develop, conduct, and construct effective audience development research and plans. (aligns with University Learning Outcomes 1,2,5,7,8,9)
- identify and understand the history, organizational structures, practices, current policy issues, and standard matters related to the nonprofit arts sector. (aligns with University Learning Outcomes 1,2,5,7,8,9)

THEATRE DEPARTMENT, OVERALL

- **Communication:** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Creation/Production/Performance:** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment. (aligns with University Learning Outcomes 1,2,5,6,7,8,9)
- **Professional Proficiency:** Students will acquire the entrepreneurial skills necessary to assist in the development and advancement of careers in theatre. Students will learn to apply knowledge and skills to meet professional competencies in the field of theatre. Students will learn procedures and develop skills that enable them to conduct themselves in a manner accepted in the professional theatre community. (aligns with University Learning Outcomes 1,2,5,6,8,9)
- **Historical Knowledge:** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Degree Program Writing Competency:** Students will gain the ability to write clearly and effectively. (aligns with University Learning Outcomes 1,5)

Related Links

Theatre - Theatre Arts Management, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/theatre-ba-theatre-arts-management/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensure/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
Rock Studies 2 Requirements		42
Modern Language Requirement		0-9
Other Basic Requirments		0-3
Major/Concentration Requirements		42
Electives		36

* All undergraduate degree programs require a minimum of 120 credits.
Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15
Integrated Inquiry		
<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Humanities Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Social Science Inquiry</i>		
Select 3 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/)		3
<i>Natural Science Inquiry</i>		
SCI 101	Science of Life	3
<i>Physical Science Inquiry</i>		
SCI 102	Understanding the Physical World	3
Subtotal		15
Thematic Thread		
Select 12 Credits (https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/) ²		12
Subtotal		12
Total Hours		42

¹ Course offered in multiple subjects; cannot take course in first major subject.
² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
Complete 0-9 credits		0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
THEA 131	Fundamentals of Acting	3
THEA 132	Stagecraft	3
THEA 281	Survey of Dramatic Literature I	3
THEA 283	Survey of Dramatic Literature II	3
THEA 337	Directing	3
THEA 425	Professional Theatre Practice	3
Subtotal		18

Theatre Arts Concentration

THEA 159	Introduction to Theatre Arts Management	3
THEA 345	Stage Management and Safety	3
THEA 359	Studies in Audience Development	3
THEA 450	Internship	3
NLPA 101	Introduction to Nonprofit Management	3
Subtotal		15

Theatre Arts Management Level 1 Courses

Select 3 credits from the following:		3
THEA 151	Rehearsal and Production	Repeatable for max of 12 credits
ACCT 209	Financial Accounting	
COMM 231	Principles of Integrated Marketing Communication & Public Relations	
COMM 235	Introduction to Digital Design	
COMM 248	Interactive Multimedia 1	
COMM 254	Video Production	

ENGL 205	Introduction to Professional Writing	
LEAD 251	Leadership Theory	
MKTG 230	Principles of Marketing	
NLPA 120	Civic Engagement and Community Decision-Making	
Subtotal		3
Theatre Arts Management Level 2 Courses		
Select 6 credits from the following:		6
THEA 329	Shakespeare Tour	
THEA 339	New Play Development	
THEA 340	International Theatre Experience	
THEA 355	Projects in Theatre	
THEA 390	Experimental	
THEA 392	History of Musical Theatre	
THEA 393	History of Theatre Design and Architecture	
THEA 394	Theories of Acting and Directing	
THEA 490	Independent Study	
ACCT 322	Business Analysis and Decision Making	
COMM 307	Social Media	
COMM 318	Professional Presentation	
INDP 318	Research Methods in Interdisciplinary Studies	
MGMT 351	Organizational Behavior	
NLPA 305	Financial Best Practices for Decision Makers	
NLPA 320	Community Change and Development	
NLPA 325	Social and Ethical Issues in Philanthropy and Fundraising	
Subtotal		6
Required Stage Management Experience Before Graduation		
Stage Management Experience 1		
Stage Management Experience 2		
Total Hours		42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)
2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff

9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

THEATRE - BA (5 92)

Concentration in Theatre Arts Management (THAM)

This program is effective as of Summer 2023.

Revised 09.23.2025

UCC 03.21.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 132	Stagecraft	3
THEA 159 or THEA 281	Introduction to Theatre Arts Management or Survey of Dramatic Literature I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Rock Studies 2 Requirement (p. 19)		3
Hours		16
Spring		
THEA 131	Fundamentals of Acting	3
Select one of the following:		3
THEA 283	Survey of Dramatic Literature II	
THEA XXX	Theatre Arts Management Level 1	
ENGL 104	Critical Reading	3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Hours		15
Second Year		
Fall		
THEA 281 or THEA 159	Survey of Dramatic Literature I or Introduction to Theatre Arts Management	3
Modern Language 101		3
Rock Studies 2 Requirement (p. 19)		3
Rock Studies 2 Requirement (p. 19)		3
Elective		3
Declare a Thematic Thread ²		
Hours		15
Spring		
THEA 345	Stage Management and Safety	3

THEA 359	Studies in Audience Development	3
Select one of the following:		3
THEA 283	Survey of Dramatic Literature II ³	
THEA XXX	Theatre Arts Management Level 1	
NLPA 101	Introduction to Nonprofit Management	3
Modern Language 102		3
Hours		15
Third Year		
Fall		
Theatre Arts Management Level 2 Course		3
Modern Language 103		3
Rock Studies 2 Requirement (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Spring		
Theatre Arts Management Level 2 Course		3
THEA 337	Directing	3
Thematic Thread Requirement (p. 19)		3
Elective		3
Elective		3
Hours		15
Fourth Year		
Fall		
THEA 425	Professional Theatre Practice	3
Rock Studies 2 Requirements (p. 19)		3
Rock Studies 2 Requirements (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3
Hours		15
Spring		
THEA 450	Internship	3
Thematic Thread Requirement - 300+ Level (p. 19)		3
Elective		3
Elective		3
Elective		3
Hours		15
Total Hours**		121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

³ Students may also take Theatre Arts Management Level 1 Course

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

Major Code: 5 92
Concentration: THAM

Revised date: 07.10.2025

Theatre, Bachelor of Arts (BA) - Concentration in Theatre Studies Program Learning Outcomes

Students in the BA Theatre, Theatre Studies concentration will develop a range of theatre knowledge, skills, and competencies. Students will:

- achieve intermediate level proficiency in acting, design & technology, and theatre management. (aligns with University Learning Outcomes 1,2,5,6,9)
- achieve advanced level proficiency in theatre history and at least one area of focus. (aligns with University Learning Outcome 5)
- gain the knowledge and skills sufficient to work in both collaborative and individual roles in creating theatre; (aligns with University Learning Outcomes 1,2,5,6,8,9)
- gain the tools to analyze and develop characters. (aligns with University Learning Outcomes 1,2,5,6,9)
- gain a working knowledge of a chosen area of theatre design. (aligns with University Learning Outcomes 1,2,5,6)
- demonstrate the ability to act believably within a set of given/imagined circumstances. (aligns with University Learning Outcomes 1,2,5,6,9)
- demonstrate proficiency in both freehand drawing and digital drafting/rendering techniques. (aligns with University Learning Outcomes 1,2,5,6)
- identify and understand the history of theatre, as well as organizational structures, practices, and standard matters related to the theatre management. (aligns with University Learning Outcomes 1,2,5,6,9)

THEATRE DEPARTMENT, OVERALL

- **Communication:** Students will learn to communicate effectively by developing and defending informed viewpoints about theatre. Students will gain an understanding of the common elements and vocabulary of theatre and of the interaction of these elements, giving them the ability to analyze both dramatic literature and live performance perceptively and to evaluate them critically. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Creation/Production/Performance:** Students will gain an overview of the collaborative elements of theatre and will demonstrate an understanding of the production process. Students will explore and experience different values, perspectives, and aesthetics allowing them to problem solve, create, perform and produce theatre. Students will successfully execute job duties related to the performance of a role, crew position and/or design assignment. (aligns with University Learning Outcomes 1,2,5,6,7,8,9)
- **Historical Knowledge:** Students will acquire familiarity with theatre literature of various historical periods, cultural sources, and modes of presentation. Students will learn the essential elements of the historical development of theatre and drama. Students will relate, connect, integrate, and contextualize knowledge acquired in theatre courses. (aligns with University Learning Outcomes 1,2,5,6,9)
- **Degree Program Writing Competency:** Students will gain the ability to write clearly and effectively. ([aligns with University Learning Outcomes 1,5](#))

Related Links

Theatre - Theatre Studies, BA Program Page (<https://www.sru.edu/academics/majors-and-minors/theatre-ba-theatre-studies/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Major GPA: 2.00 or higher

Overall GPA: 2.00 or higher

Summary*

Code	Title	Hours
	Rock Studies 2 Requirements	42
	Modern Language Requirement	0-9
	Other Basic Requirments	0-3
	Major/Concentration Requirements	42
	Electives	36

* All undergraduate degree programs require a minimum of 120 credits.

Some courses meet multiple requirements, but are only counted once toward the 120 credit total required to graduate.

Rock Studies 2 Requirements

Code	Title	Hours
The Rock		
SUBJ 139	Foundations of Academic Discovery ¹	3
ENGL 102	Critical Writing	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Subtotal		15

Integrated Inquiry

Creative and Aesthetic Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Humanities Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Social Science Inquiry

Select 3 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) 3

Natural Science Inquiry

SCI 101 Science of Life 3

Physical Science Inquiry

SCI 102 Understanding the Physical World 3

Subtotal 15

Thematic Thread

Select 12 Credits (<https://catalog.sru.edu/archive/2025-2026/undergraduate/rock-studies/rock-studies-program/>) ² 12

Subtotal	12
Total Hours	42

¹ Course offered in multiple subjects; cannot take course in first major subject.

² One course from each category; six credits must be 300-level or above; no more than 4 credits from one subject area; specific courses required in first major, regardless of prefix of course, cannot be used to satisfy thread requirements; any course with same prefix as first major cannot be used to satisfy thread requirements, even if it is not a course in the first major.

BA Modern Language Requirement

BA degree requires language proficiency at the 103 class level. Exemption by placement or examination is possible.

Code	Title	Hours
	Complete 0-9 credits	0-9
Total Hours		0-9

Basic Math Requirement

Check with your adviser or a current degree audit report to see if you have been exempted from this course. The credit earned in this course will not be counted toward the 120 credit hour minimum needed to earn a degree.

Code	Title	Hours
Complete one of the following:		0-3
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	
Total Hours		0-3

DIVERSITY, EQUITY, AND INCLUSION REQUIREMENT

Students must take and pass a course with the Diversity, Equity, and Inclusion (DEI) designation prior to graduation. Students can meet this requirement by taking any DEI - designated course in any program at any time during their undergraduate career.

Major/Concentration Requirements

- 21 major credits must be taken at SRU or PASSHE
- 21 major credits must be taken at the 300 level or above

Code	Title	Hours
Core Requirements		
THEA 131	Fundamentals of Acting	3
THEA 132	Stagecraft	3
THEA 281	Survey of Dramatic Literature I	3
THEA 283	Survey of Dramatic Literature II	3
THEA 337	Directing	3
THEA 425	Professional Theatre Practice	3
Subtotal		18
Theatre Studies - Core		
THEA 151	Rehearsal and Production	1
THEA 151	Rehearsal and Production	1
THEA 151	Rehearsal and Production	1
THEA 215	Drawing/Drafting/CAD	3
Select one of the following:		3

THEA 159	Introduction to Theatre Arts Management	
THEA 222	Acting II	
THEA 269	Playwriting	
THEA 235	Costume Technology	
Subtotal		9
Theatre Studies - Management Coursework		
Select one of the following:		3
THEA 345	Stage Management and Safety	
THEA 359	Studies in Audience Development	
Subtotal		3
Theatre Studies - Design Coursework		
Select one of the following:		3
THEA 333	Scene Design	
THEA 334	Stage Lighting	
THEA 335	Costume Design and History	
Subtotal		3
Theatre Studies - Advanced Coursework		
Select nine credits from the following:		9
THEA 322	Acting Technique	
THEA 324	Stage Makeup	
THEA 328	Acting Shakespeare	
THEA 329	Shakespeare Tour	
THEA 332	Advanced Stagecraft	
THEA 333	Scene Design	
or THEA 334	Stage Lighting	
or THEA 335	Costume Design and History	
THEA 339	New Play Development	
THEA 340	International Theatre Experience	
THEA 342	IPA/Dialects	
THEA 344	Auditioning	
THEA 345	Stage Management and Safety	
THEA 355	Projects in Theatre	
THEA 359	Studies in Audience Development	
THEA 392	History of Musical Theatre	
THEA 393	History of Theatre Design and Architecture	
THEA 394	Theories of Acting and Directing	
THEA 450	Internship	
THEA 490	Independent Study	
THEA 498	Selected Topics	
Subtotal		9
Total Hours		42

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Co-curricular and Experiential Learning

Students are encouraged to explore additional curricular and co-curricular opportunities. There is a strong correlation between long-term student success and participation in the following types of programs and activities:

1. International study programs International study programs (including Edinburgh, Scotland, Fringe Festival Trip)

2. SRU Theatre Department Productions
3. Theatre internships and summer theatre employment
4. High-Impact Practice (HIP) designated classes
5. Student-faculty research
6. Student leadership development
7. Department field trips
8. Theatre Department Student Staff
9. Student Lab Productions in Sheehy Theatre
10. Guest Artist lectures, workshops, and productions

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

THEATRE - BA (5 92)

Concentration in Theatre Studies (THST)

This program is effective as of Summer 2023.

Revised 09.23.2025

UCC 03.21.2023

Recommended Four-Year Plan

Course	Title	Hours
First Year		
Fall		
THEA 132	Stagecraft ²	3
THEA 215	Drawing/Drafting/CAD ²	3
THEA 281	Survey of Dramatic Literature I	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar *	1
SUBJ 139	Foundations of Academic Discovery ¹	3
Hours		16
Spring		
THEA 131	Fundamentals of Acting ²	3
THEA 283	Survey of Dramatic Literature II	3
ENGL 104	Critical Reading	3
MATH 117	Quantitative Reasoning	3
Select one of the following:		3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLI 235	Civil Discourse and Democracy	
Hours		15
Second Year		
Fall		
THEA XXX	Theatre Studies Core Course	3
THEA 151	Rehearsal and Production	1
MODL 101	Modern Language 101	3

Rock Studies 2 Requirements (p. 19)	3
Elective	3
Elective	3
Declare a Thematic Thread ³	

Hours	16

Spring

THEA 151	Rehearsal and Production	1
THEA XXX	Theatre Studies Management Course	3
MODL 102	Modern Language 102	3
Rock Studies 2 Requirements (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3

Hours	16

Third Year**Fall**

THEA 33X	Theatre Studies Design Course	3
THEA XXX	Theatre Studies Advance Course	3
MODL 103	Modern Language 103	3
Rock Studies 2 Requirements (p. 19)		3
Thematic Thread Requirement (p. 19)		3

Hours	15

Spring

THEA XXX	Theatre Studies Advanced Course ⁴	3
THEA 337	Directing	3
Rock Studies 2 Requirements (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3

Hours	15

Fourth Year**Fall**

THEA 425	Professional Theatre Practice	3
THEA XXX	Theatre Studies Advanced Course	3
Rock Studies 2 Requirements (p. 19)		3
Thematic Thread Requirement (p. 19)		3
Elective		3

Hours	15

Spring

THEA 151	Rehearsal and Production	1
Elective		3
Elective		3
Elective		3
Elective		3

Hours	13

Total Hours**	121

¹ Course offered in multiple subjects; cannot take course in first major subject.

² Students should complete THEA 131, THEA 132, and THEA 215 as early as possible in the program.

Students are highly encouraged to complete a minor or second major course of studies (i.e., Education, Art, Communication, History, etc.)

³ Work with your Academic Adviser to declare a Thematic Thread by the end of your fall semester in your second year.

⁴ Students should carefully choose courses to fulfill this requirement in consultation with their Theatre advisor.

* Students are encouraged to take ESAP 101 as a Free Elective.

***This document serves as a guide. Earning a degree requires at least 120 credits, though some majors require more. Before registering for courses, consult your academic adviser and review your curriculum guide. Be sure to review and confirm your plan with your adviser at least once each academic year.*

MAJOR: BA Theatre (5 92)

Concentration: Theatre Studies (THST)

Revised 09.24.2025

Theatre, Minor

The Theatre Minor is designed to offer students a variety of paths through the curriculum. Through specific choices at the intermediate level and advanced levels, students can effectively complete a Theatre Minor in Acting, Musical Theatre, Design & Technology, Theatre Arts Management, or Theatre Studies. Department faculty can work directly with students to choose the path best suited for their educational goals.

PROGRAM LEARNING OUTCOMES

Students in the Theatre Minor will gain foundational and advanced skills various elements within the theatre arts. In addition to academic studies, which will enhance students' experiences within their chosen major, students are also eligible for all of the production, enhancement and performance opportunities that are extended to our Theatre majors.

Students will:

- gain foundational and advanced skills in various elements within the theatre arts (University Outcomes 1,2,5,6)
- gain production experience through production, enhancement and performance opportunities. (University Outcomes 1,2,5,6)

For more information, contact the Department Chair.

To access Minor Requirements, please view the Curriculum Guide tab.

Related Links

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Minor GPA: 2.0 or higher

Minor Requirements

- Students must complete at least 6 credit hours in their minor from SRU
- A minimum of 6 credit hours must be upper division (courses numbered 300 and above)
- A minor shall be no fewer than 18 credits.

Code	Title	Hours
Core Requirements		
THEA 131	Fundamentals of Acting	3
THEA 132	Stagecraft	3

THEA 151	Rehearsal and Production	1
THEA 151	Rehearsal and Production	1
THEA 281	Survey of Dramatic Literature I	3
or THEA 283	Survey of Dramatic Literature II	

Intermediate Level Requirements

Select one of the following:		3
THEA 142	Wellness for the Actor	
THEA 146	Class Voice For Musical Theatre **	
THEA 159	Introduction to Theatre Arts Management	
THEA 215	Drawing/Drafting/CAD	
THEA 222	Acting II	
THEA 235	Costume Technology	
THEA 248	Musical Theatre Song Repertoire **	
THEA 269	Playwriting	
THEA 281	Survey of Dramatic Literature I	
THEA 283	Survey of Dramatic Literature II	

Advanced Level Requirements

Select six credits of the following:		6
THEA 302	Acting for Song I **	
THEA 303	Acting III **	
THEA 304	Acting for Song II **	
THEA 310	Acting for the Camera **	
THEA 322	Acting Technique (may be repeated 3 times) **	
THEA 324	Stage Makeup	
THEA 328	Acting Shakespeare **	
THEA 329	Shakespeare Tour **	
THEA 332	Advanced Stagecraft	
THEA 333	Scene Design **	
THEA 334	Stage Lighting **	
THEA 335	Costume Design and History **	
THEA 337	Directing	
THEA 339	New Play Development **	
THEA 340	International Theatre Experience **	
THEA 342	IPA/Dialects	
THEA 345	Stage Management and Safety	
THEA 348	Pop/Rock Song Repertoire **	
THEA 351	Movement for the Actor **	
THEA 353	Voice for the Actor **	
THEA 355	Projects in Theatre **	
THEA 359	Studies in Audience Development	
THEA 392	History of Musical Theatre	
THEA 393	History of Theatre Design and Architecture	
THEA 394	Theories of Acting and Directing	
THEA 404	Acting IV: Scene Study **	
THEA 425	Professional Theatre Practice	
THEA 450	Internship	
THEA 490	Independent Study **	
THEA 498	Selected Topics **	

Total Hours**20**

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

** Some courses may require permission from the instructor in order for students to register.

Important Curriculum Guide Notes

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PASSHE - Pennsylvania State System of Higher Education Institutions

MINOR IN THEATRE (93A) / CIM 437

This program is effective as of Summer 2023

Revised 12.03.2024

UCC 10.29.2024

Academic Programs and Units

COLLEGE OF BUSINESS

- Safety Management (p. 31)
- School of Business (p. 34)
- Sport Management (p. 86)
- Strategic Communication and Media (p. 90)
- Military Science (Army ROTC) (p. 114)

COLLEGE OF EDUCATION

- Elementary Education/Early Childhood Education (p. 116)
- Physical and Health Education (p. 125)
- Secondary Education/Foundations of Education (p. 149)
- Special Education (p. 174)

COLLEGE OF ENGINEERING AND SCIENCE

- Biology (p. 189)
- Chemistry (p. 264)
- Computer Science (p. 293)
- Engineering (p. 313)
- Environmental Geosciences (p. 332)
- Homeland Security and Corporate Security (p. 360)
- Mathematics and Statistics (p. 371)
- Parks and Resource Management (p. 384)
- Physics (p. 387)

COLLEGE OF HEALTH PROFESSIONS

- Exercise Science (p. 397)
- Healthcare Administration and Management (p. 439)
- Nursing (p. 489)
- Psychology (p. 495)

- Public Health (p. 535)
- Recreational Therapy (p. 563)
- Social Work (p. 579)

COLLEGE OF LIBERAL ARTS

- Art (p. 583)
- Criminology and Criminal Justice (p. 635)
- Dance (p. 644)
- English (p. 657)
- Gender Studies (p. 672)
- History (p. 674)
- Interdisciplinary Programs (p. 681)
- Leadership (p. 703)
- Modern Languages (p. 706)
- Music (p. 729)
- Philosophy (p. 766)
- Political Science (p. 776)
- Theatre (p. 789)

Faculty

Slippery Rock University Faculty (p. 811)

Slippery Rock University Faculty/Administrative Emeriti (p. 825)

Slippery Rock University Faculty A

Kristie Abbs

Assistant Professor
Psyc, Soc Work & Rec Therapy

Robertha Abney

Associate Professor
Comm, Media and Sport Mgmt

Michael Adamczyk

Assistant Professor
Safety Management

Naresh Adhikari

Associate Professor
Computing and Security

Nikhil Ahuja

Assistant Professor
Public Health Sciences

Frances Amatucci

Associate Professor
School of Business

Michelle Amodei

Professor
Curriculum, Instr & Educ Ldshp

Melanie Anderson

Professor
School of Business

Whitney Angelini

Instructor

Psyc, Soc Work & Rec Therapy

Jonathan Anning

Associate Professor
Exercise Science

James Anthony

Instructor
Math, Statistics & Physics

John Anthony

Instructor
Music

Theresa Antonellis

Art

Stacy Arend

Assistant Professor
Athletics

Adaeze Aroh

Assistant Professor
Public Health Sciences

Nicholas Artman

Associate Professor
Comm, Media and Sport Mgmt

Katie Ashbaugh

Instructor
Hlth & Rehabilitation Sciences

Lua Augustin

Associate Professor
School of Business

B

John Bagnato

Instructor
Music

Amy Baker

Instructor
Music

Elysia Balavage

Instructor
Lang, Lit, Cult & Writing

Joshua Ballew

Associate Professor
Math, Statistics & Physics

Richael Barger-Anderson

Professor
Special Education

Brett Barnett

Professor
Comm, Media and Sport Mgmt

Nicky Baumgartner

Instructor

Math, Statistics & Physics

Juan Baus Dobronsky

Assistant Professor
Engineering

Thomas Bechard

Assistant Professor
Psyc, Soc Work & Rec Therapy

Stephen Benacci

Instructor

Melissa Berdell

Instructor
Computing and Security

William Bergmann

Associate Professor
History

Angela Bernardo

Professor
Safety Management

Sagar Bhandari

Assistant Professor
Math, Statistics & Physics

Wei Bian

Associate Professor
Modern Languages & Cultures

Eric Bieniek

Associate Professor
Special Education

Jennifer Bindernagel

Instructor
Social Sciences

Tricia Bishop

Associate Professor
Art

Breanne Blake

Assistant Professor
Healthcare and Administration

Elizabeth Boerger

Assistant Professor
Psyc, Soc Work & Rec Therapy

Kaley Booher

Instructor
Hlth & Rehabilitation Sciences

Michael Boone

Operational/Leadership Profess

Megan Borger

Associate Professor
Healthcare and Administration

Jeremy Borkowski

Instructor

Curriculum, Instr & Educ Ldshp

Thaddeus Boron

Professor
Chemistry & Environ Geosci

Christa Brahler

Assistant Professor
Exploratory Stud & Acad Prog

Natalie Brahm

Instructor
Healthcare and Administration

Boris Brimkov

Associate Professor
Math, Statistics & Physics

Nicole Brockmann

Instructor
Music

Morton Brown

Instructor
Art

Allison Brungard

Assistant Professor
Library

Martin Buckley

Associate Professor
Biology

Thuy Bui

Professor
School of Business

Joseline Burgos

Instructor
Lang, Lit, Cult & Writing

Patrick Burkhart

Professor
Chemistry & Environ Geosci

Olivia Buterbaugh

Assistant Professor
Healthcare and Administration

C

Cindy Candelaria-Pieve

Assistant Professor
Music

Jennifer Carben

Assistant Professor
Biology

William Cartagena-Vazquez

Instructor

April Carter

Instructor
Exploratory Stud & Acad Prog

Kevin Cassidy

Instructor
Computing and Security

Mustafa Casson

Associate Professor
Social Sciences

David Champion

Professor
Criminology & Criminal Justice

Franklyn Charles

Associate Professor
Comm, Media and Sport Mgmt

Anindya Chatterjee

Professor
School of Business

Xianfeng Chen

Professor
Chemistry & Environ Geosci

Qi Chen

Associate Professor
Chemistry & Environ Geosci

Weiru Chen

Associate Professor
School of Business

Da Eun Choi

Instructor
Music

John Chovanes

Instructor
Math, Statistics & Physics

Louis Christensen

Assistant Professor
Engineering

Sean Christie

Associate Professor
Hlth & Rehabilitation Sciences

Rhonda Clark

Associate Professor
School of Business

Gary Clark

Associate Professor
Physical and Health Education

Rachel Clark

Instructor
Biology

Musiette Clay

Assistant Professor
Exploratory Stud & Acad Prog

Dylan Cleveland

Instructor

Military Science (Army ROTC)

Nicole Cochran

Instructor
Music

Gabriel Colby

Instructor
Music

Andrew Colvin

Associate Professor
Philosophy

Matthew Conboy

Instructor
Art

Katherine Cooklin

Professor
Philosophy

Jenna Copper

Assistant Professor
Curriculum, Instr & Educ Ldshp

William Covey

Professor
Lang, Lit, Cult & Writing

Aaron Cowan

Professor
History

Rocco Cremonese

Assistant Professor
Library

Thomas Crissman

Instructor
Counseling & Development

Robert Crow

Professor
Comm, Media and Sport Mgmt

Michele Crytzer

Associate Professor
Healthcare and Administration

Christopher Cubero

Associate Professor
Counseling & Development

Jennifer Culver

Associate Professor
Counseling & Development

D**Stentor Danielson**

Associate Professor
Chemistry & Environ Geosci

Shawn Davis

Associate Professor

Biology

Michael Delong

Instructor
Biology

Rachel DeMaria

Instructor
Counseling & Development

Natalie Dick

Assistant Professor
Health Care Admin & Management

Jeremy Dicus

Professor
Exercise Science

Daniel Dieter

Assistant Professor
Comm, Media and Sport Mgmt

Gisela Dieter

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Lang, Lit, Cult & Writing

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O

Chester T. O'Bannon

Music

William H. Oman

Philosophy

Monica F. Ondrusko

Special Education

Bruce T. Orvis

Management & Marketing

P

Nicholas E. Papanikolaou

Chemistry

Lia Paradis

History

Leona C. Parascenzo

Nursing

J. Sunita Peacock

Languages, Literatures, Cultures and Writing

Gary S. Pechar

Exercise & Rehabilitative Science

Rachela Permenter

English

Kurt W. Pitluga

Art

William C. Polk

Elementary Ed/Early Childhood

Charles M. Porter

Counseling & Educational Psychology

Fred B. Powell

Physical and Health Education

Carolyn V. Prorok

Geography, Geology & Environment

Q**R****Charles D. Rice**

Elementary Ed/Early Childhood

Paula M. Rieder

History

Melinda M. Ristvey

Modern Languages & Cultures

Larry R. Rotge

History

Bruce W. Russell

College of Business

S**Lucy A. Sack**

Dance

Robert O. Sattler

Special Education

W. G. Sayre

Chemistry

Tamra A. Schiappa

Chemistry & Environmental Geoscience

Claire R. Schmieler

Health Services

Jane Scott Cleary

Library

Ben A. Shaevitz

Physics and Engineering

Mark A. Shotwell

Biology

Charles H. Shultz

Geography, Geology & Environment

William R. Sigmund

Biology

David B. Skeele

Theatre

Robert M. Smith

President

Nanette K. Solomon

Music

Michael G. Stapleton

Chemistry & Environmental Geoscience

Donald T. Stauffer

Special Education

Terry S. Steele

Music

Carolyn S. Steglich

Biology

Thomas D. Stewart

Strategic Communication and Media

Michael L. Stowe

Sociology, Anthropology & Social Work

Steven R. Strain

Biology

Donald A. Strano

Counseling & Development

K. James Strickland

English

Kathleen M. Strickland

College of Education

Wendy L. Stuhldreher

Public Health & Social Work

Valerie R. Swarts

Strategic Communication and Media

T

Frederick J. Tannery

School of Business

David C. Taylor

Chemistry

Mary Ann Thurkettle

Nursing

Charles Tichy

Modern Languages & Cultures

Eva Tsuquiashi-Daddesio

College of Liberal Arts

Genevieve M. Tvrdik

Biology

U

V

Jesus M. Valencia

Accounting, Economics & Finance

David W. Valentine

School of Business

Mary T. Vetere

Elementary Ed/Early Childhood

Paulette Viola

Parks and Recreation

W

Raymond V. Wallace

Theatre

Frances H. Walsh

Elementary Ed/Early Childhood

Amy R. Walters

Strategic Communication and Media

Robert J. Watson

Student Affairs

Judy A. Werner

Elementary Ed/Early Childhood

Gene J. Wilhelm

Sociology, Anthropology & Social Work

A. L. Williams

Elementary Ed/Early Childhood

William F. Williams

Academic Affairs

X**Y****Z****Linda M. Zane**

Elementary Ed/Early Childhood

Mark G. Zeltner

Communication

Patricia A. Zimmerman

Physical Education

Susan M. Zirpoli

Chemistry

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Accounting (ACCT)

ACCT 101 - Taxes in America

In America, our income is taxed when we earn it and when we spend it. Our property is taxed when we own it and sometimes even when we give it away! We pay taxes to our local, state, and federal governments. Learn where you tax dollars go, how they are used, and how you influence tax legislation. Evaluate how our taxes affect diverse populations in American society.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

ACCT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ACCT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ACCT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ACCT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ACCT 209 - Financial Accounting

A study of accounting concepts and principles that govern the recording, processing, and reporting of accounting information. The significance of the financial statements and the analysis of accounting information for investors, creditors, and other external users in the decision making process is emphasized.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

ACCT 210 - Managerial Accounting

A study of accounting concepts and procedures used for cost analysis, cost allocation, planning, and reporting accounting information with an internal perspective. The significance of accounting information and the financial statements for management's decision-making process is emphasized.

Prerequisite: ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

ACCT 230 - Accounting Information Systems

Designing effective accounting information systems to generate reliable accounting information is the focus of the course. The significance of accounting information, transaction cycles, systems controls, document flowcharts, and accounting software are emphasized.

Prerequisite: ACCT 209^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

ACCT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ACCT 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ACCT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ACCT 308 - Federal Individual Income Tax

Study of the federal income tax system, individual returns, rates, income exclusions and inclusions, gains and losses, deductions, alternate tax methods, and withholding of taxes. Prerequisite: Advanced business standing.

Prerequisite: ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 310 - Cost Accounting

A study of control concepts and costing methods including systems for management control, inventory valuation, cost-volume-profit analysis, standard variance analysis, budgeting, decision models, product cost accumulation, and quantitative methods in cost analysis.

Prerequisite: ACCT 209^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Winter, Spring&Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 311 - Federal Corporate and Transfer Taxes

Corporate, partnership, estate and trust taxation are covered along with topics such as depletion, net operating losses, and installment and deferred payment sale.

Prerequisite: ACCT 308^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 313 - Intermediate Accounting I

An examination of accounting principles and the study of the foundations of accounting theory and practice. Emphasis is placed on the conceptual framework of accounting and the development of generally accepted accounting principles including the FASB Codification, SEC, IASB, and other standards setting bodies; time value of money concepts, accounting for stockholders' equity; revenue recognition, the cash flow statement, and the presentation of the balance sheet and income statement. Ethical issues and concerns are stressed throughout the course.

Prerequisites: ACCT 209^C and ACCT 230^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 314 - Intermediate Accounting II

A continuation of ACCT 313 covering the detailed examination and application of generally accepted accounting procedures in accounting for stockholders' equity: contributed capital and retained earnings; revenue and expense determination, share based compensation, EPS, accounting changes and error corrections, and measurement with particular emphasis on pensions, leases, and deferred taxes. Ethical issues and concerns are stressed throughout the course.

Prerequisite: ACCT 313^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 315 - Intermediate Accounting III

A continuation of ACCT 313 covering the detailed examination and application of generally accepted accounting principles in accounting for stockholders' equity issues: revenue recognition, pensions, leases, deferred taxes, share based compensation, EPS, accounting changes and error corrections; and the cash flow statement. Ethical issues and concerns are stressed throughout the course.

Prerequisite: ACCT 314^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 320 - Forensic Accounting

Forensic Accounting as an accounting field of study has surged with the high profile corporate misappropriation of assets/financial statement manipulation and fraud situations over the last 20 years. White collar fraud and the resulting increased legislation has heightened awareness of fraud and increased the need for accountants with forensic accounting skills. Certifications such as the Certified Fraud Examiner (CFE) now increasingly sought after by practitioners and students. ACCT 320 is dual listed as ACCT 620.

Prerequisites: ACCT 209^C and ACCT 313^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 322 - Business Analysis and Decision Making

This course acquaints students with the process used to construct and understand the financial reports of organizations. An important objective is to understand the decisions that must be made in the financial reporting process and to develop the ability to evaluate and use accounting data. Included in the content are a study of accounting concepts and procedures used for financial statement analysis, cost analysis, cost allocation, planning and reporting accounting information. The significance of accounting information and the financial statements for management's decision-making process is emphasized.

Prerequisite: ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 324 - Budgeting, Performance Management, and Cost Analysis

This course is a continuation of Cost Accounting, ACCT 310. This course covers breakeven analysis, activity based costing, inventory management, differential analysis, transfer pricing, product pricing, capital planning, cost centers, the balanced scorecard, and decision making under uncertainty.

Prerequisite: ACCT 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 340 - Legal Environment of Business

A study of the various processes available to resolve business disputes and an exploration of complex legal relationships that affect business, including contracts, business formations, employment, and torts and consumer law.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 341 - Legal Environment of Business II

An analysis of complex transactions including mergers and acquisitions, antitrust law, financial instruments, intellectual property, bankruptcy, environmental, estate and international law.

Prerequisite: ACCT 340^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 345 - Volunteer Income Tax Assistance (VITA)

The focus of this class is service learning. The students will be afforded the opportunity to receive IRS certification as a tax preparer while making a difference in their community. Students will prepare annual federal and state income tax return for low income individuals that qualify for the Volunteer Income Tax Assistance (VITA) Program. Students must pass an IRS certification exam and receive training on the Tax software. All Individual tax returns prepared as part of this class will be detailed reviewed prior to filing the tax. Students will develop and enhance a number of soft skills such as problem solving, teamwork, critical thinking, and leadership, each of which is valuable to entry-level accounting and business professionals.

Prerequisite: ACCT 308 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students in the Haverlack College of Business college.

Enrollment limited to students with department of School of Business.

ACCT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 400 - Legal Environment of Healthcare

Legal Environment of Healthcare acquaints future healthcare managers with legal issues relating to government, patients, healthcare employees, and contractors. This course surveys a wide variety of legal concepts, terms, and common-sense tips for entry-level healthcare organization employees.

Prerequisites: HCAM 230^C and (HCAM 275^C or HCAM 375^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even, Offered Spring Terms, Offered Winter Terms Odd

ACCT 411 - Auditing Theory and Practice

Objective examination of financial statements with emphasis on internal control, review and evaluation, sampling theory and application, and procedural testing.

Prerequisite: ACCT 314^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 412 - Accounting Seminar

Analysis of current accounting theory and application in practice. Additional focus on ethics, written and oral communication, organization skills, professionalism, and current topics.

Prerequisite: ACCT 314^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 413 - Advanced Accounting

In this course, advanced accounting concepts and procedures affecting partnerships, governmental entities, not-for-profit organizations, estates, and trusts are presented. Diverse global accounting issues, diversity in application of generally accepted accounting standards (GAAP), and the harmonization of GAAP in the development of international financial reporting standards (IRFS) as it applies to business combinations, consolidations, and transactions between international entities are highlighted.

Prerequisite: ACCT 315^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 419 - Auditing Systems

Continuation of ACCT 411 with emphasis on computerized accounting systems and auditing procedures.

Prerequisite: ACCT 411^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 422 - Accounting Fraud

This course is designed as a case-study approach that enables students to identify key signs of fraud in financial statements. This class will conduct an in-depth analysis of accounting fraud and the accompanying breakdown in ethics.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms, Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 423 - Advanced Accounting II

This course is a continuation of Advanced Accounting, ACCT 413. Covers various topics, with emphasis on not-for-profit accounting (government, education, hospitals, and volunteer organizations), fiduciary accounting (estates, trusts, and insolvent companies), and advanced financial statement presentations (interim reporting, foreign currency, and segment reporting). Related pronouncements from the Financial Accounting Standards Board and the Governmental Accounting Standards Board will also be introduced.

Prerequisite: ACCT 413^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

ACCT 429 - Accounting Data Analytics

Analysis of data for accounting and finance applications. Focus on accounting data analysis concepts and techniques for decisions making and the use of large data sets involving accounting information. Development of analysis and problem solving skills using current software tools available to accounting professionals. ACCT 429 is dual listed as ACCT 629.

Prerequisite: ACCT 209^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Summer

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

ACCT 430 - Internal Auditing

This course examines the fundamentals of internal auditing and relation to the accounting function. Internal Audit is an independent, objective assurance and consulting activity designed to add value and improve an organization's operations. The management and operation of the internal audit function is covered.

Prerequisites: ACCT 209^C and (ACCT 322 (may be taken concurrently)^C or ACCT 310^C) (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 450 - Internship

Supervised placement in selected public and private agencies at appropriate institutions. Prerequisites: Application and permission of the instructor. It is recommended that this be taken as a 3 credit internship.

Credits: 1-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 451 - Employment Law

This course covers the law as it applies to all aspects of the employer - employee relation, including union activity, discrimination, selection, testing and employment contracts.

Prerequisites: MGMT 351^D or MGMT 250^D or MGMT 251^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 490 - Independent Study

In-depth reading and/or research in an area of particular interest to the student, done with the guidance of a faculty member. Prerequisites: 12 credits of accounting courses, application, and permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ACCT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

American Sign Language (ASL)

ASL 101 - American Sign Language and Culture

This course is the first of a three-course series and focuses on American Sign Language and Culture. This course introduces basic aspects of the grammar and proper use of hand configuration and facial expressions in sign language communication.

Credits: 3

Arab (ARAB)

ARAB 101 - Arabic Language and Culture I

This course is the first in a three course series which will provide an introduction to the Arabic language.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

ARAB 102 - Arabic Language and Culture II

This course is the second in a three course series which will provide an introduction to the Arabic language.

Prerequisite: ARAB 101^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

ARAB 103 - Arabic Language and Culture III

This course is the third in a three course series which will provide an introduction to the Arabic language.

Prerequisite: ARAB 102^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

ARAB 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ARAB 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ARAB 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ARAB 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ARAB 202 - Intermediate Arabic I

Comprehensive review of Arabic language and culture with emphasis on developing the students' abilities for proficient oral and written accomplishments.

Prerequisite: ARAB 103^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ARAB 215 - Topics in Arabic Culture

This course provides deeper knowledge of Arabic culture by examining selected topics in Arabic culture. This course is taught in English.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

ARAB 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ARAB 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ARAB 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ARAB 300 - Reading & Writing in Arabic

This course is designed to develop and enhance reading and writing skills in Modern Standard Arabic (MSA).

Prerequisites: ARAB 101^C and ARAB 102^C and ARAB 103^C and ARAB 202*^C (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 301 - Arabic Conversation I

This course is focused on conversation using Modern Standard Arabic (MSA) and will acquaint the student with formal registers and forms of oral communication.

Prerequisites: ARAB 101^C and ARAB 102^C and ARAB 103^C and ARAB 202*^C (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 315 - Arabic Study Abroad

This course is designed for students who wish to study Arabic society firsthand. Students will study the culture, literature, history, art, and other socio-political issues concerning the country where the program is offered.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. The nature of the topic selected and its treatment are determined in consultation with the instructor. credits) Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ARAB 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

Art (ART)

ART 100 - 2-D Design

An introductory studio course examining the underlying structure of basic design in two-dimensional art. Students will be involved in the actual production of two-dimensional design solutions. The history of design is explored, as well as the various techniques employed by artists to express personal visions, communicate ideas or examine and interpret the human experience.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Art Graphic Design(Comm Major), Art, Art or Art With Certification (K-12).

ART 101 - 3-D Design

An introductory studio course examining the underlying structure of basic design in three-dimensional art. Students will be involved in the actual production of three-dimensional design solutions. The history of design is explored, as well as the various techniques employed by artists to express personal visions, communicate ideas or examine and interpret the human experience.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a major in Art, Art or Art With Certification (K-12).

ART 105 - Basic Studio Drawing

This course will provide students with introductory level drawing knowledge and skills, emphasizing fine art approaches. Drawing will be explored through production, critique, history and aesthetics. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art drawings and maintain a portfolio. The elements and principles of design will be incorporated through the use of various drawing materials and techniques. Emphasis will be placed on the hands-on exploration of formal, technical and conceptual relationships. Students will develop a sensitive response to subtleties in drawing as well as to the whole. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 106 - Basic Studio Painting

This course will provide students with introductory level painting knowledge and skills, emphasizing fine art approaches. Painting will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art paintings and develop a portfolio. The elements and principles of design will be incorporated through the use of various painting materials and techniques. Emphasis will be placed on the hands-on exploration of formal, technical and conceptual relationships. Students will develop a sensitive response to subtleties in paintings as well as to the whole. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 107 - Basic Studio Photography

This course will provide students with introductory level photographic knowledge and skills, emphasizing fine art approaches. Photography will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art prints and maintain a portfolio. The elements and principles of design will be incorporated into the study of photography, with focus on formal, technical and conceptual relationships. Students will gain knowledge of various genres of photography, styles, tips and techniques. Critical thinking will be addressed with each project, allowing students to improve their ability to visually analyze artwork. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 108 - Basic Studio Printmaking

This course will provide students with introductory level printmaking knowledge and skills. Printmaking will be explored through production, critique, history and aesthetics. Students will be provided with the fundamental, technical, historical and conceptual information necessary to produce fine art prints and editions of prints. The elements and principles of design will be incorporated through the use of various printmaking material and techniques. Emphasis will be placed on the hands-on exploration of formal, technical and conceptual relationships. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 109 - Basic Studio Metalsmithing

This course will provide students with introductory Metalsmithing knowledge and skills, emphasizing fine art approaches while utilizing a variety of materials, predominantly metal. Metalsmithing will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals and expression. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art forms and develop a portfolio. Students gain an understanding of various techniques, styles and approaches to metalsmithing. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 110 - Basic Studio Sculpture

This course will provide students with introductory Sculpture knowledge and skills, emphasizing fine art approaches while utilizing a variety of materials. Sculpture will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals and expression. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art forms and develop a portfolio. Students gain an understanding of various techniques, styles and approaches to contemporary sculpture. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationship relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 111 - Basic Studio Fiber Art

This course will provide students with introductory level Fiber Art knowledge and skills. Fiber Art will be explored through production, critique, history and aesthetics. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art forms and develop a portfolio. Through two-and three-dimensional projects, students will have an opportunity to creatively explore a variety of traditional and non-traditional flexible materials, techniques and concepts while developing a portfolio. Emphasis will be placed upon the ability to investigate the unique qualities and characteristics of materials and the development of an original response to an assignment. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 112 - Basic Studio Ceramics

This course will provide students with introductory ceramics knowledge and skills, emphasizing fine art approaches while utilizing a variety of materials. Ceramics will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals, and expression. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce fine art forms and develop a portfolio. Students gain an understanding of various techniques, styles and approaches to contemporary ceramics. Emphasis will be placed upon the ability to investigate the unique qualities and characteristics of materials and the development of an original response to an assignment. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 113 - Basic Studio Graphic Design

Students will explore Graphic Design with a beginning level of production, critique, history and aesthetics. This course is intended to develop the student's skill level and personal aesthetic. Creative responses to assignments will include the application of visual language skills to communicate ideas, meaning and information. Coursework will include traditional, digital and mixed media. It will also focus on studies in perception, visual organization, the graphic design process and ideation, with investigations into experimental and expressive aspects of graphic design. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 114 - Basic Studio Digital Media

This course will provide students with introductory level Digital Media knowledge and skills, emphasizing fine art approaches that utilize the computer in addition to other various technologies to produce works of art. Digital Media will be explored through production, critique, history and aesthetics in order to achieve individual artistic goals. Students will be provided with the fundamental technical, historical and conceptual information necessary to produce digitally-based art. Technical ability and development, conceptual development, and media experimentation will be stressed. Critical thinking will be addressed with each project, allowing students to improve their ability to analyze visual works of art. Through creative studio practice, students discover relationships relevant to their role as an artist and work to develop the following emphasized artistic traits: perceptual openness, flexibility/adaptability, the courage to take a risk, the ability to analyze, and self-confidence.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 115 - Visual Literacy

A cornerstone course involving the study of visual forms of communication with an emphasis on image-based media (newspaper, magazine, film, television, photography, informational graphics, interactive multimedia, digital games and web-based technologies). Topics include visual interpretation, visual manipulation, visual conventions, the role of visual media in cultural processes and aesthetic appreciation.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

ART 121 - Introduction to Visual Arts

This course provides an introduction to visual arts for high school students enrolled in SRU's Summer Arts Academy.

Credits: 1

Term(s) Typically Offered: Offered as Needed

ART 130 - Visual Art Inquiry

Art 130 Visual Art Inquiry: This course presents an approachable yet broad, sweeping overview of the visual arts while also providing an introduction to modes of inquiry shared by all the creative and aesthetic disciplines. Students will explore and analyze influential works of art through the lens of materials, styles, and processes as a way to gain an understanding of the arts as a method of communication and expression. From ancient to contemporary art history we examine artwork in the context of social, religious, historical, cultural influences in which they existed, and will draw connections between artistic movements and how they are common to all fine and performing arts. Through building a context for understanding, art is made meaningful to the student's experience. Studying and experiencing the arts, including dance, music, theatre, and the visual arts, develops creative and aesthetic abilities. The arts introduce students not only to artists and their creations, but also to history, cultures, values, technique, imagination, creativity, and issues relevant to society. Students will gain an understanding of the creative process and how to analyze and interpret message and meaning in works of art. While the arts can bring us pleasure, they can also serve to enlighten and illuminate critical issues, lead to personal discoveries, and foster innovation in all fields. Students will learn to think critically about the arts, develop an appreciation for artistic creations, and by viewing live performances and exhibitions, become engaged audience members. Arts inquiry courses use and develop the analytic and interpretive modes of inquiry needed to understand and explore both tangible and abstract artistic works and the cultures in which they exist. In arts inquiry courses, students confront a variety of cultural and artistic expressions in order to gain an understanding of the human condition, and ultimately express their relationship to artistic work, meaning, and the creative process. Attendance at arts events will be required during this course and may require a fee.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course
Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ART 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed
Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.
Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ART 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ART 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ART 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ART 200 - Activities and Fundamentals

A course providing for the study of child development through creative activities. It includes theory, experimentation with two and three-dimensional processes appropriate to the elementary classroom, methods of motivation, evaluation and classroom management.

Credits: 3

Term(s) Typically Offered: Offered as Needed

ART 205 - Intermediate Studio Drawing

The student will explore Drawing with an increased level of production, critique, history and aesthetics. This course will provide the student with a moderate level of fine art studio drawing. Students will explore how to work with the fine art medium of mark-making through process and production, including art history and discussion. Students will review fundamental technical and conceptual information necessary to further the creation of fine art pieces. Students will develop individual applications of drawing with an increased level to critically analyze both individual and peer artwork. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problem; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer
Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 206 - Intermediate Studio Painting

The student will explore Painting with an increased level of production, critique, history and aesthetics. This course will provide the student with a moderate level of fine art studio painting. Students will explore how to work with the fine art medium of paint through process and production, including art history and discussion. Students will review fundamental technical and conceptual information necessary to further the creation of fine art pieces. Students will develop individual applications of painting with an increased level to critically analyze both individual and peer artwork. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 207 - Intermediate Studio Photography

The student will explore Photography with an increased level of production, critique, history and aesthetics. Student will continue to develop photographic knowledge and skills, emphasizing fine art approaches. Students will review fundamental technical and conceptual information necessary to further the creation of fine art photographs. Students will continue to receive technical, historical and conceptual information to help advance their portfolios. Primary emphasis will be placed on technical refinement alongside development of creative problem-solving skills. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 208 - Intermediate Studio Printmaking

The student will explore Printmaking with an increased level of production, critique, history and aesthetics. This course will provide students with opportunities to explore and develop techniques and concepts of Printmaking. Emphasis will be on the manual procedures of printing black and white as well as color prints. Continued development of technical ability, conceptual development and media experimentation will be stressed. Primary emphasis will be placed on the development of creative problem-solving skills. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 209 - Intermediate Studio Metalsmithing

The student will explore Metalsmithing with an increased level of production, critique, history and aesthetics. This course is intended to increase skill level while continuing to develop the student's personal aesthetic. Students will demonstrate a variety of metalsmithing techniques while understanding Metalsmithing's technical and historical contexts. Students are expected to be self-motivated in terms of idea generation and execution. Students will explore avenues to make their work more personal by combining metalsmithing technical skills with form and concept. Primary emphasis will be placed on technical refinement alongside development of creative problem-solving skills. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 210 - Intermediate Studio Sculpture

The student will explore Sculpture with an increased level of production, critique, history and aesthetics. This course is intended to increase skill level while continuing to develop the student's personal aesthetic. Students will demonstrate a variety of sculptural techniques while understanding Sculpture's contemporary and historical contexts. Students are expected to be self-motivated in terms of idea generation and execution. Students will explore avenues to make their work more personal by combining technical skills with form and concept. primary emphasis will be placed on technical refinement alongside development of creative problem-solving skills. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 211 - Intermediate Studio Fiber Art

The student will continue to explore Fiber Art with an increased level of production, critique, history and aesthetics This course will provide students with opportunities to explore both traditional and non-traditional flexible materials, techniques and concepts within contemporary Fiber Art. Through two- and three-dimensional projects, students will continue to develop their skills, artistic perception and conceptual thinking. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 212 - Intermediate Studio Ceramics

The student will explore Ceramics with an increased level of production, critique, history and aesthetics. Students will explore avenues to make their work more personal by combining Ceramic technical skills with form and concept. Primary emphasis will be placed on technical refinement of wheel-throwing and hand-building construction alongside development of creative problem-solving skills. Various methods of glazing and firing are addressed as they relate to student work on specific projects. Technical refinement alongside development of creative problem-solving skills will be emphasized also. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 213 - Intermediate Studio Graphic Design

The student will explore Graphic Design with an increased level of production, critique, history and aesthetics. This course is intended to increase skill level while continuing to develop the student's personal aesthetic. Creative responses to assignments will include the application of visual language skills to communicate ideas, meaning and information. Coursework will include traditional, digital and mixed media. Coursework will focus on studies in perception, visual organization, the graphic design process and ideation, with investigations into experimental and expressive aspects of graphic design. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual curriculum guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 214 - Intermediate Studio Digital Media

The student will explore Digital media with an increased level of production, critique, history and aesthetics in order to achieve individual artistic goals. Emphasis will be placed upon production and process. Students will review fundamental technical and conceptual information necessary to further the creation of fine art pieces while maintaining a portfolio. New digital techniques will be explored as they become necessary to articulate and advance individual creative needs. Primary emphasis will be placed on technical refinement alongside development of creative problem-solving skills. Through creative studio practice, students should develop the following emphasized artistic traits: ability to resist premature closure; sensitivity to problems; ability to synthesize. Repeatable: consult individual guide.

Prerequisites: ART 100^D or ART 101^D or ART 105^D or ART 106^D or ART 107^D or ART 108^D or ART 109^D or ART 110^D or ART 111^D or ART 112^D or ART 114^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ART 225 - Overview of Western Art

A sweeping survey intended to acquaint the student with the stylistic development and chronology of the western tradition in the arts. Covers the period and styles prevalent in the Western World from the Beginnings of art to the modern era.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

ART 226 - Overview of World Art

A survey course intended to acquaint the student with the stylistic developments and chronology of the visual arts in Asia, Africa, India and South America. Special emphasis will be given to the expression of cultural, religious and aesthetic purposes of art works created outside the western tradition.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

ART 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ART 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ART 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ART 300 - Art Seminar

A seminar for advanced art studio majors, designed to sharpen the students' critical and evaluation skills.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ART PORTFOLIO APPROVED attribute.

ART 305 - Advanced Studio Drawing

This course will investigate an advanced level of drawing production, critique, history and aesthetics, and will focus on the achievement of individual artistic goals through the exploration of concept-based assignments. A wide range of traditional and non-traditional materials and processes will be utilized to further the skillful creation of artwork, and new drawing techniques will be explored to aid in the articulation of individual creative ideas. Emphasis will be placed upon making judgments and developing fluency through heightened production and an expanded exploration of process. Additionally, students will strengthen their ability to critically analyze artwork, and will maintain a drawing portfolio. CAPP Prerequisites: Must take 1 of the following: ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213 or ART 214.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 306 - Advanced Studio Painting

This course will investigate an advanced level of painting production, critique, history and aesthetics, and will focus on the achievement of individual artistic goals through the exploration of concept-based assignments. A wide range of traditional and non-traditional materials and processes will be utilized to further the skillful creation of artwork, and new drawing techniques will be explored to aid in the articulation of individual creative ideas. Emphasis will be placed upon making judgments and developing fluency through heightened production and an expanded exploration of process. Additionally, students will strengthen their ability to critically analyze artwork, and will maintain a painting portfolio. CAPP Prerequisites: Must take 1 of the following: ART 205, ART 206, ART 207, ART 208, ART 209, ART 210, ART 211, ART 212, ART 213 or ART 214.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 307 - Advanced Studio Photography

This course will investigate an advanced level of photographic production, critique, history and aesthetics. Students will continue to investigate genres of photography, and new photographic techniques will be explored to aid in the articulation of individual artistic goals. Emphasis will be placed upon strengthening portfolios through heightened production and an expanded exploration of process. Students will continue to strengthen their ability to critically analyze artwork. Through creative studio practice, students should develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 308 - Advanced Studio Printmaking

This course will provide students with opportunities to explore techniques and concepts of printmaking at an advanced level. Through projects students will have an opportunity to develop their skills, artistic perception and conceptual thinking. The course will focus on students gaining independence in making judgments, and developing fluency in their art process. Through creative studio practice, students should be able to develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 309 - Advanced Studio Metalsmithing

This course will investigate an advanced level of metalsmithing production, critique, history and aesthetics. Students will continue to investigate genres of metalsmithing, and new metalsmithing techniques will be explored to aid in the articulation of individual artistic goals. Emphasis will be placed upon strengthening portfolios through heightened production and an expanded exploration of process. Students will continue to strengthen their ability to critically analyze artwork. Through creative studio practice, students should develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 310 - Advanced Studio Sculpture

This course will investigate an advanced level of Sculpture production, critique, history and aesthetics. Students will continue to investigate genres of Sculpture, and new Sculpture techniques will be explored to aid in the articulation of individual artistic goals. Emphasis will be placed upon strengthening portfolios through heightened production and an expanded exploration of process. Students will continue to strengthen their ability to critically analyze artwork. Through creative studio practice, students should develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 311 - Advanced Studio Fiber Art

This course will provide students with opportunities to explore traditional and non-traditional flexible materials, techniques and concepts of contemporary Fiber Art at an advanced level. Through two- and three-dimensional projects students will have an opportunity to develop their skills, artistic perception and conceptual thinking. The course will focus on students gaining independence in making judgments, and developing fluency in their art process. Through creative studio practice, students should be able to develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 312 - Advanced Studio Ceramics

This course will investigate an advanced level of ceramics production, critique, history and aesthetics, and will focus on the achievement of individual artistic goals through the exploration of functional and concept-based assignments. A wide range of traditional and non-traditional materials and processes will be utilized to further the skillful creation of artwork, and new ceramic techniques will be explored to aid in the articulation of individual creative endeavors. Emphasis will be placed on fluency through heightened production and an expanded exploration of process. Students will strengthen their ability to critically analyze artwork, and will maintain a ceramics portfolio. Through creative studio practice, students should develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 313 - Advanced Studio Graphic Design

This course will investigate an advanced level of graphic design production, critique, history and aesthetics, and will focus on the achievement of individual artistic goals through the exploration of concept-based assignments. A wide range of traditional and non-traditional materials and processes will be utilized to further the skillful creation of artwork, and new graphic design techniques will be through heightened production and an expanded exploration of process. Students will strengthen their ability to critically analyze artwork, and will maintain a graphic design portfolio. Through creative studio practice, students would develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide.

Prerequisites: ART 205^D or ART 206^D or ART 207^D or ART 208^D or ART 209^D or ART 210^D or ART 211^D or ART 212^D or ART 213^D or ART 214^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 314 - Advanced Studio Digital Media

This course will investigate an advanced level of digital media production, critique, history and aesthetics, and will focus on the achievement of individual artistic goals through the exploration of concept-based assignments. A wide range of traditional and non-traditional materials and processes will be utilized to further the skillful creation of artwork, and new digital media techniques will be explored to aid in the articulation of individual creative endeavors. Emphasis will be placed on fluency through heightened production and an expanded exploration of process. Students will strengthen their ability to critically analyze artwork, and will maintain a digital media portfolio. Through creative studio practice, students should develop the following emphasized artistic traits: independence in making judgments and fluency in ideas and materials. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 205, ART 206, ART 207, ART 208, AT 209, ART 210, ART 211, ART 212, ART 213 or ART 214.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 315 - Master Studio

A course in which master artists and craftsmen speak to the history and development of their discipline. They will also demonstrate techniques and critique student work. May be repeated for a maximum of 9 credits.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 317 - Elementary Art Methods and Materials

This course provides an exploration of age appropriate instructional methods, materials and techniques for comprehensive elementary art programs. Art education theory, developmental stages of artistic growth, the importance of the arts in the curriculum, issues of inclusion, differentiation of instruction and assessment, PA Standards for the Arts, and strategies to enhance interdisciplinary connections will be included. Opportunity is provided to engage in, and analyze, actual instruction and artistic products. Field placement required.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 325 - North American Art History

Explores the history of the visual arts produced on the North American continent and covers the artistic expressions of Native Americans and the development of European colonial art to the Second World War.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 335 - The Renaissance Tradition

Explores the historical development of the visual arts in Europe from the mid-14th century to the mid-17th century.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 345 - Foundations of Modern Art

The development of modern concepts and approaches in the visual arts from the late 18th century up to and including Impressionism in the late 19th century.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 355 - Early Modern Art

Explores the history of the visual arts during the late nineteenth century culminating with the surrealist movement before the Second World War.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 365 - Art Since 1945

Explores the development of the visual arts in the late twentieth century. It will cover the social, cultural and stylistic movements from Abstract Expressionism to contemporary art.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 405 - Senior Studio Drawing

The student will demonstrate intrinsic motivation and a high degree of self-awareness in a personal investigation of drawing production, critique, history and aesthetics, and will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of drawing. The quality and caliber of drawing work produced in this course will define the student as a drawing artist. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 406 - Senior Studio Painting

The student will demonstrate intrinsic motivation and a high degree of self-awareness in a personal investigation of painting production, critique, history and aesthetics, and will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of painting. The quality and caliber of drawing work produced in this course will define the student as a painter. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 407 - Senior Studio Photography

This course will encourage students to explore personal investigations of photographic production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. The course requires students to build a cohesive body of work with an integral emphasis on the photographic image, allowing students to supplement their technical and conceptual aptitude while developing a greater understanding of their placement in a larger historical context. Coursework will emphasize a high level of quantity, caliber and ambition to further articulate a professional portfolio. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 408 - Senior Studio Printmaking

The quality and caliber of prints produced in this course will define the student as an artist. Emphasis will be placed on artistic perception, developing concepts and individual artistic vision. Students will focus on a personal investigation of printmaking, technique, critique, history and aesthetics, and will demonstrate self-directed behavior relevant to professionalism and artistry. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 409 - Senior Studio Metalsmithing

This course will encourage students to explore a personal investigation of metalsmithing production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of a variety of work that is representative of the student's individual aesthetic. The quality and caliber of work produced in this course will define the student as a metalsmith. Through creative studio practice, students should develop a high degree of self awareness and intrinsic motivation. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 410 - Senior Studio Sculpture

This course will encourage students to explore a personal investigation of Sculpture through production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of a variety of work that is representative of the student's individual aesthetic. The quality and caliber of work produced in this course will define the student as a sculptor. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 411 - Senior Studio Fiber Art

The quality and caliber of fiber artwork produced in this course will define the student as an artist. Emphasis will be placed on artistic perception, developing concepts and individual artistic vision. Students will focus on a personal investigation of fiber art materials, technique, critique, history and aesthetics, and will demonstrate self-directed behavior relevant to professionalism and artistry. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide.

Prerequisites: ART 305^D or ART 306^D or ART 307^D or ART 308^D or ART 309^D or ART 310^D or ART 311^D or ART 312^D or ART 313^D or ART 314^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 412 - Senior Studio Ceramics

This course will encourage students to explore a personal investigation of ceramics production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of ceramics. The quality and caliber of ceramic work produced in this course will define the student as a ceramic artist. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 413 - Senior Studio Graphic Design

This course will encourage students to explore a personal investigation of graphic design production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of graphic design. The quality and caliber of graphic design work produced in this course will define the student as a graphic artist. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide.

Prerequisites: ART 305^D or ART 306^D or ART 307^D or ART 308^D or ART 309^D or ART 310^D or ART 311^D or ART 312^D or ART 313^D or ART 314^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 414 - Senior Studio Digital Media

This course will encourage students to explore a personal investigation of digital media production, critique, history and aesthetics. Students will demonstrate self-directed behavior relevant to professionalism and artistry. Coursework will require an understanding of self that extends to an integral commitment in the production of digital media. The quality and caliber of digital media work produced in this course will define the student as a digital artist. Through creative studio practice, students should develop a high degree of self-awareness and intrinsic motivation. Repeatable: consult individual curriculum guide. CAPP Prerequisites: Must take 1 of the following: ART 305, ART 306, ART 307, ART 308, ART 309, ART 310, ART 311, ART 312, ART 313 or ART 314.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 420 - Art History Seminar

A seminar for students qualified to do independent study and research in art history. Topics selected through consultation with the instructor. Can be repeated for up to 6 credits.

Prerequisite: ART 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 425 - Senior Project Drawing

A capstone course emphasizing the articulation of ideas and presentation. This course provides independent study in drawing, culminating in a public exhibition demonstrating the student's artistic direction. The student will focus on concepts relevant to individual interests, and will determine the content and form based on past study of drawing production, critique, history and aesthetics. The student is responsible for all necessary components of a professional exhibition of their drawing work. Permission of the instructor.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 426 - Senior Project Painting

This course provides independent study in painting, culminating in a public exhibition demonstrating the student's artistic direction. The student will focus on concepts relevant to individual interests, and will determine the content and form based on past study of painting production, critique, history and aesthetics. The student is responsible for all necessary components of a professional exhibition of their graphic design work. Permission of the instructor.

Prerequisites: ART 306^D or ART 406^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 427 - Senior Project Photography

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in Photography, the content and form of which will be determined by past photographic investigations, critique, history and aesthetics while working closely with the Photography professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 307^D or ART 407^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 428 - Senior Project Printmaking

In this capstone course the senior student will engage in an individually proposed project, culminating in a public exhibition demonstrating the student's artistic direction. The student will focus on concepts relevant to individual interests in printmaking, and will determine the content and form based on past study of printmaking production creation, critique, history and aesthetics, and under the supervision of the Fiber Art Professor. The student is responsible for all necessary components of a professional exhibition of their work. By permission of the instructor.

Prerequisites: ART 308^D or ART 408^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 429 - Senior Project Metalsmithing

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in Metalsmithing, the content and form of which will be determined by past studio investigations, critique, history and aesthetics while working closely with the Metalsmithing professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 309^D or ART 409^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 430 - Senior Project Sculpture

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in Sculpture, the content and form of which will be determined by past studio investigations, critique, history and aesthetics while working closely with the Sculpture professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 310^D or ART 410^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 431 - Senior Project Fiber Art

In this capstone course the senior student will engage in an individually proposed project, culminating in a public exhibition demonstrating the student's artistic direction. The student will focus on concepts relevant to individual interests in fiber art, and will determine the content and form based on past study of fiber art production creation, critique, history and aesthetics, and under the supervision of the Fiber Art Professor. The student is responsible for all necessary components of a professional exhibition of their work. By permission of the instructor.

Prerequisites: ART 311^D or ART 411^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 432 - Senior Project Ceramics

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in ceramics, the content and form of which will be determined by past ceramics investigations, critique, history and aesthetics while working closely with the ceramics professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 312^D or ART 412^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 433 - Senior Project Graphic Design

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in Graphic Design, the content and form of which will be determined by past Graphic Design professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 313^D or ART 413^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 434 - Senior Project Digital Media

A capstone course emphasizing the articulation of ideas and presentation. Senior students will engage in an individually proposed project, culminating in a public exhibition with supporting materials that demonstrate the student's artistic expertise. The student will focus on an individual direction in Digital Media, the content and form of which will be determined by past digital media investigations, critique, history and aesthetics while working closely with the Digital Media professor. The student is responsible for all components of their projects while displaying a high level of self-awareness, intrinsic motivation, and professionalism. By permission of instructor.

Prerequisites: ART 314^D or ART 414^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 440 - Art Education Methods

This class meets once a week to discuss field placement experiences and teaching skills and fulfills part of the Pennsylvania Department of Education (PDE) Stage 3 Pre-Student Teaching Practical requirements. Activities include discussions on research, development and preparation of art lesson plans, strategies for success in an inclusive art classroom, and analysis and assessment of teaching experiences.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms Odd

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Art.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 450 - Internship

Professional experiences geared to student vocational goals. Working in galleries, museums or graphic design studios, working with professional artists in their studios and other job-related experiences.

Corequisite(s): ART 451

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 451 - Art Education Methods Internship

This internship covers some of the Stage 3 Pre-Student Teaching field experiences: 90 hours of documented placement under the supervision and mentorship of certified K-12 Art Teacher(s). At least one experience during Stage 3 must include students with special needs in inclusive settings. Activities include assisting small or large groups of children, lesson development/preparation, and lesson plans. Observation and evaluation of teaching by the professor will occur near the end of the semester.

Corequisite(s): ART 440

Credits: 2

Term(s) Typically Offered: Offered Fall Terms Odd

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Art.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 475 - Extended Studio Drawing

This course provides individualized creative work in drawing that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 476 - Extended Studio Painting

This course provides individualized creative work in Painting that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 477 - Extended Studio Photography

This course provides individualized creative work in Photography that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 478 - Extended Studio Printmaking

This course provides individualized creative work in Printmaking that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 479 - Extended Studio Metalsmithing

This course provides individualized creative work in Metalsmithing that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 480 - Extended Studio Sculpture

This course provides individualized creative work in Sculpture that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 481 - Extended Studio Fiber Art

This course provides individualized creative work in Fiber Art that focuses on a specific concept process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 482 - Extended Studio Ceramics

This course provides individualized creative work in Ceramics that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 483 - Extended Studio Graphic Design

This course provides individualized creative work in Graphic Design that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 484 - Extended Studio Digital Media

This course provides individualized creative work in Digital Media that focuses on a specific concept, process, and/or style in order to improve portfolios while using studio facilities. By permission of instructor.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ART 490 - Independent Study

Offers the opportunities of advanced creative activity in a single area of concentration (painting, graphics, ceramics, art history, etc.) to be chosen by the student with the consent of the department. Prerequisites: Junior or senior standing, completion of lower level course offerings in chosen area of concentration, acceptance of project proposal by the department and permission of the instructor, departmental chairperson and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ART 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Biology (BIOL)

BIOL 100 - Introductory Biology Laboratory

This laboratory activity course is designed to introduce the non-biology major to science as a process. Basic biological concepts and principles are the focal points for the laboratory activities. The scientific process is used throughout the hands on exercises to facilitate the learning experience.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

BIOL 101 - General Biology

A principles course in biology, designed for non-biology majors, which emphasizes cellular structure and function, Mendelian and molecular genetics, reproduction, and classic and modern concepts of ecology and evolution.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

BIOL 105 - Environmental Biology

A non-biology majors course which provides an introduction to ecological principles and concepts with an examination of the biological basis of contemporary environmental problems.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

BIOL 110 - The Human Body: Fundamentals of Structure and Physiology

This one semester lecture course is designed for non-biology majors and provides a basic introduction to the human body and the fundamental anatomy and physiology of each organ system.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

BIOL 113 - Biology I: Foundations of Ecology, Evolution and Diversity with Lab

A laboratory and lecture course that covers the principles of evolution, ecology and organismal diversity to prepare students for subsequent courses required of biology majors. BIOL113 and BIOL114 can be completed in any order.

Credits: 4

Enrollment limited to students with department of Biology.

BIOL 114 - Biology II: Foundations of Molecules, Genes and Cells with Lab

A laboratory and lecture course that emphasizes the foundational biological principles in molecular biology, cellular biology and genetics to prepare students for subsequent courses required of biology majors. BIOL113 and BIOL114 can be completed in any order.

Credits: 4

Enrollment limited to students with department of Biology.

BIOL 120 - Plants and Society

Basic structures, functions, and uses of plants. This course, for the non-biology major, will stress many of the economic and practical aspects of plants. It will also offer historical insights concerning the impact plants have had on world exploration, colonization, etc.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course

BIOL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

BIOL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 201 - General Botany with Lab

Basic biochemical, morphological, and physiological aspects of plant biology as they relate to evolution. Includes a lab.

Prerequisites: (BIOL 101^C and BIOL 100^C) or BIOL 104^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Biology.

BIOL 207 - Land Plants and Their Environment/Lab

This course for non-biology majors surveys the common plants native to Pennsylvania. Includes a lab.

Credits: 3

Term(s) Typically Offered: Offered as Needed

BIOL 208 - Introduction to Wildlife Management/Lab

For non-biology majors, this course covers basic ecological principles with emphasis on the taxonomy and life histories of vertebrate animals. Includes a lab.

Credits: 3

Term(s) Typically Offered: Offered as Needed

BIOL 209 - Human Anatomy and Physiology I

The first of a two-course lecture and laboratory series that surveys the structure and function of the human body. This course will provide an orientation to the human body, as well as an overview of the chemistry, cell biology, and tissue structure needed to understand anatomy and physiology. The course will also cover the integumentary, skeletal, muscular, and nervous systems. It is strongly recommended to take CHEM 104 or CHEM 107 prior to this course.

Credits: 4

BIOL 210 - Medical Microbiology with Lab

The study of pathogenic microorganisms to include taxonomy, structure, biological activities, host defense mechanisms, disease transmission, and disease states. Includes a lab.

Prerequisites: BIOL 110^C or BIOL 114^C or BIOL 209^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a major in Biology, Biology (Pre MED) (7-12), Biology, Biology-Prof (Pre MED)(7-12), Health Science - Public Health, Hlth Sci-P Hlth-Pre PT-SRU 3+3, Hlth Sci-P Hlth-Pre PA-SRU 3+2, Cytotechnology, Histotechnology, Medical Technology or Professional.

BIOL 216 - Anatomy and Physiology I with Lab

The first of two lecture and laboratory courses for non-biology majors which surveys the normal structure and function of the human body. It is recommended that 216 be taken prior to 217. This course includes a lab.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment is limited to students with a major in Music Therapy, Biology, Biology (Pre MEd) (7-12), Biology, Biology-Prof (Pre MEd)(7-12), Health Science - Public Health, Hlth Sci-P Hlth-Pre PT-SRU 3+3, Therapeutic Recreation Serv, Recreational Therapy, Therapeutic Recreation 3+3 PT, Rec Therapy- Pre PT-SRU 3+3, Rec Therapy-Pre OT-SRU 3+3, Hlth Sci-P Hlth-Pre PA-SRU 3+2, Cytotechnology, Histotechnology, Medical Technology or Professional.

BIOL 217 - Anatomy and Physiology II with Lab

The second of two lecture and laboratory courses for non-biology majors which surveys the normal structure and function of the human body. It is recommended that 216 be taken prior to 217. Includes a lab.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment is limited to students with a major in Music Therapy, Biology, Biology (Pre MEd) (7-12), Biology, Biology-Prof (Pre MEd) (7-12), Therapeutic Recreation Serv, Recreational Therapy, Therapeutic Recreation 3+3 PT, Rec Therapy- Pre PT-SRU 3+3, Rec Therapy-Pre OT-SRU 3+3, Cytotechnology, Histotechnology, Medical Technology or Professional.

BIOL 250 - Genetics with Lab

An introductory course that covers transmission genetics, molecular genetics, and population genetics, with an emphasis on problem-solving. Examples in both plants and animals (including humans) are considered. Includes a lab.

Prerequisite: BIOL 114^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Chemistry & Environ Geosci or Biology.

BIOL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with department of Biology.

BIOL 300 - Social and Ethical Issues in Genetics

Advances in genetics have the potential to do much good, but they may also create difficult social and ethical issues that we are unprepared for. This course seeks to provide students of all majors with the necessary framework for arriving at their own conclusions about the proper role of genetic technology, for themselves, their families, and society at large.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

BIOL 301 - Forest Ecology

This course is offered as part of the Pymatuning Laboratory in conjunction with the University of Pittsburgh. For more information, please contact the Biology department, 724-738-2023.

Prerequisites: BIOL 201^C and (BIOL 100^C and BIOL 101^C) or BIOL 104^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 302 - Ecology of Amphibians & Reptiles/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 303 - Behavioral Ecology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 305 - Wetlands and Aquatic Plants/Lab

This course deals with the identification and quantification of phytoplankton and vascular hydrophytes, with emphasis placed on the productivity of aquatic plants and their importance as indicator organisms. Includes a lab.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Biology, Biology (Pre MEd) (7-12), Environmental Geoscience, Envir Geosci (Pre MEd) (7-12), Biology, Biology-Prof (Pre MEd)(7-12), Environmental Geoscience, Cytotechnology, Environmental Science, Environmental Chemistry, Geology, Histotechnology, Medical Technology or Professional.

BIOL 306 - Freshwater Biomonitoring/Lab

This course covers the identification and quantification of fish, zooplankton, and benthos organisms, with emphasis placed on the productivity of aquatic animals and their importance as indicator organisms. Includes a lab.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

BIOL 307 - Vertebrate Ecology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 308 - Aquatic Ecosystem Management / Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 309 - Human Anatomy and Physiology II

The second of a two-course lecture and laboratory series that surveys the structure and function of the human body. This course covers the blood, endocrine, cardiovascular, lymphatic, immune, respiratory, digestive, urinary and reproductive systems. Additionally, nutrition, metabolism, and energy balance and fluid, electrolyte, and acid-base balance will be covered.

Prerequisite: BIOL 209^C

^C Requires minimum grade of C.

Credits: 4

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

BIOL 310 - Plant Diversity with Lab

A lecture and laboratory course that emphasizes both morphology and molecular data to explain the diversity of botanical organisms throughout the different environments of our world, and to explain how this life has evolved over time. Topics covered will include taxonomic philosophy, the processes of classification, the species concepts, past and present day systematists, data collection and analysis, pollination biology, floristic terminology, origin and evolution of the angiosperms, nomenclature and typification, and additional topics that may enhance course content. Evolutionary trends in floristic morphology will be used to examine family relationships in the angiosperms.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 311 - Entomology/Lab

Insects, including their taxonomy, structure, function, ecology, and economic importance.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 312 - Zoology with Lab

The anatomy, physiology, ecology, and economic importance of representative animals with emphasis on the understanding of development and the evolutionary blueprint of the animal kingdom. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 313 - Herpetology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 314 - Parasitology with Lab

This is a lecture and laboratory course for biology majors, which emphasizes the protozoan and metazoan organisms of medical importance. The overall goal for the course is to make students become aware of various aspects of medically important parasites, including their morphology, modes of transmission, mechanisms of host entry and infection, niche selection, life cycles, pathogenesis (associated diseases), diagnosis, treatment, and control of infections.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 316 - Immunology with Lab

The is course will discuss the function and regulation of the immune system in detail. Students will gain an appreciation of how the system recognizes pathogens, generates specificity and memory in it's responses and induces physiological changes that help the body fight infection. Students will gain experience with a variety of immunological techniques including but not limited to: blood typing, assessing antigen-antibody interactions, applications of antibody-antigen interactions in medical testing.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and CHEM 201^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 317 - Ecology and Fungi

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms Even

BIOL 320 - Ornithology/Lab

Anatomy, physiology, taxonomy, ecology, and behavior of birds. Two weekend field trips are required. Includes a lab.

Prerequisites: (BIOL 100^C and BIOL 101^C) or BIOL 104^C and (BIOL 212^C or BIOL 312^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 321 - Wildlife Management/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 322 - Conservation Biology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 323 - Stream Ecology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 325 - Biostatistics and Experimental Design with Lab

An introduction to statistical techniques and experimental design as applied to biological problems. Descriptive methods, tests of significance, linear regression, correlation, analysis of variance and covariance, and non-parametric techniques are included. Use of PC and/or mainframe computer is required. Includes a lab.

Prerequisites: (BIOL 113^C or BIOL 114^C) and (MATH 120^C or MATH 125^C or MATH 225^C or minimum score of 60 in 'ALEKS PPL Assessment')
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Geography - Envir Studies Educ, Biology, Biology (Pre MED) (7-12), Environmental Geoscience, Envir Geosci (Pre MED) (7-12), Biology, Biology-Prof (Pre MED)(7-12), Environmental Geoscience, Biology-Logan Chiropractic 3+3, Environmental Science, Geology or Professional.

BIOL 326 - Field Methods in Biogeography/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 327 - Limnology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 330 - Microbiology/Lab

A consideration of the structure, metabolism, growth, and genetics of microorganisms with emphasis placed on the bacteria and viruses. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and CHEM 108^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Chemistry & Environ Geosci or Biology.

BIOL 331 - Mammology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 335 - Cell Biology

This is a course for majors in the Biology programs. As such, this course will consider the biology of eukaryotic cells in a detailed fashion. Students should work to understand the vocabulary and concepts associated with the topics covered in the course. Students should be able to recall specific facts from the course material as well as bring together information from multiple lectures in synthesizing answers to problems ranging from simple to complex. Students should complete the course with a firm foundation in the biological processes which make up eukaryotic cells.

Prerequisites: BIOL 114^C and BIOL 250^C and CHEM 201^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Chemistry & Environ Geosci or Biology.

BIOL 340 - Vertebrate Anatomy with Lab

A comparative study of the adult structure of the organs and systems of representative vertebrates. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 343 - Embryology with Lab

Developmental processes of vertebrate embryology. A comparative study of gaetogenesis, fertilization, cleavage, gastrulation, organogenesis, and embronic adaptations. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 340^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 350 - Evolution

Stresses evolution as a process. Evidence of early theories, population genetics and ecology, modern synthetic theory, speciation, phylogeny, and the major features characteristic of organic evolution are included.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 356 - Field Ecology / Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 357 - Environmental Microbiology with Lab

The interactions of microorganisms with their environment and with other organisms in nutrient cycles and environmental bioremediation, and the effects of microbial activity on plants and animals. Includes a lab.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Biology, Biology (Pre MEd) (7-12), Environmental Geoscience, Envir Geosci (Pre MEd) (7-12), Biology, Biology-Prof (Pre MEd)(7-12), Environmental Geoscience, Cytotechnology, Environmental Science, Geology, Histotechnology, Medical Technology or Professional.

BIOL 360 - Field Botany

A field course covering the flora of western Pennsylvania. Students will be expected to identify in the field approximately 225 vascular plants.

Prerequisites: (BIOL 100^C and BIOL 101^C) or BIOL 104^C and BIOL 201^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 361 - Flora of Western Pennsylvania

A field class with a lecture component. The primary focus of the class is to enhance student understanding of the taxonomy and ecology of species that compose our flora in western Pennsylvania. Organisms that will be covered include: flowering plants (woody angiosperms and common wildflowers), conifers, ferns & fern allies, bryophytes, lichens, and some representative fungi and macroalgae in our flora. Terminology associated with general plant/fungal/algal structure as well as life cycles of these aforementioned organisms will be described. Students will be introduced to both terrestrial and aquatic ecosystems and the habitats that select species require.

Prerequisites: (BIOL 100^C and BIOL 101^C) or BIOL 104^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

BIOL 370 - Molecular Biology

A lecture course that focuses on the structure and function of biological macromolecules and of the functions of living cells at the molecular level. Topics include macromolecular structures, gene expression and regulation, and manipulations of genetic material.

Prerequisites: BIOL 114^C and BIOL 250^C and CHEM 201^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Chemistry & Environ Geosci or Biology.

BIOL 371 - Vertebrate Field Zoology

Taxonomy, life histories, and ecological relationships of representative vertebrates are stressed. Several field trips are required.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 373 - Ichthyology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 375 - Ecology of Fish / Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 100^C and BIOL 101^C) or BIOL 104^C and (BIOL 212^C or BIOL 312^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 380 - Endocrinology

This course will focus on the role of chemical communication in animals, with emphasis on humans. The mechanisms of control and action of hormones will be investigated throughout levels of organization from the molecular to organismal level. The homeostatic role of hormones within and between organ systems will be emphasized in both normal and pathophysiological states (e.g. diabetes, thyroid disorders, reproductive pathologies, and cancer).

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 400 - Disease Ecology

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

BIOL 401 - Ecology with Lab

Emphasis is placed on the structure, composition, and dynamics of ecosystems. Lab work primarily consists of field studies.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a major in Biology, Biology (Pre MEd) (7-12), Environmental Geoscience, Envir Geosci (Pre MEd) (7-12), Biology, Biology-Prof (Pre MEd)(7-12), Environmental Geoscience, Cytotechnology, Environmental Science, Environmental Chemistry, Geology, Histotechnology, Medical Technology or Professional.

BIOL 402 - Biogeography/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

BIOL 405 - Animal Physiological Ecology with Lab

The adaptations of animals to deal with specialized environmental situations are studied at levels ranging from biochemical to organismal. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 409 - Pathophysiology

This course will focus on abnormal physiology, providing an in-depth examination of the cellular and molecular origins of disease and disease related processes. The aim of this course is to provide students with an approach for relating microscopic processes to macroscopic disease presentation, diagnostic methods, and treatment options. This course will focus on the Etiology of pathologies, including: infectious, degenerative, neoplastic, metabolic, genetic/congenital, and trauma/environmental. Pathophysiologic underpinnings of common diseases related to the major body systems will be utilized as examples in discussion etiology and disease progression.

Prerequisites: CHEM 107^C and (BIOL 410^C or (BIOL 209^C and BIOL 309^C))
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

BIOL 410 - Animal Physiology with Lab

Basic animal physiological processes, including a synthesis that begins at the molecular level and moves to the more complex cellular and organismal levels. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 411 - Population Biology/Lab

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 412 - Population Biology

This field course is offered by the University of Pittsburgh to Slippery Rock University students who enroll in the summer program at the Pymatuning Laboratory of Ecology. For more information, please contact the Biology Department, 724-738-2023.

Prerequisites: (BIOL 113^C or EGEO 202^C or EVGE 202^C) and BIOL 114^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

BIOL 430 - Pathogenic Microbiology

This course examines the role of bacteria in disease processes with emphasis on host-pathogen interactions and mechanisms by which pathogenic bacteria cause disease. General topics to be discussed include pathogenesis, epidemiology, and characteristics of the major pathogenic bacteria, which allow them to produce a disease state in the host.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 330^C and CHEM 108^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 435 - Cellular and Molecular Analysis Laboratory

A laboratory course where students will gain hands on training in research techniques related to molecular and cellular biology. Students will complete a hypothesis driven research project that will culminate in a journal style research report.

Prerequisites: (BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C and CHEM 201^C) and (BIOL 335 (may be taken concurrently)^C or BIOL 370^{*C}) (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 450 - Biology Internship

This course will permit the biology major to obtain credit for on-the-job experience in such areas as hospitals, greenhouses, nurseries, sewage plants, fish and game commissions, park service, plant breeders, and seed producers, veterinary medicine, etc.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C
^C Requires minimum grade of C.

Credits: 1-6

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 451 - Plant Physiology/Lab

A lecture-laboratory study of the functional relationships of the plant body including such topics as nutrition, water relations, photosynthesis, photo-periodism, hormones, and growth processes.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 470 - Histology with Lab

Microscopic structure and arrangement of tissues in multicellular organisms. Prepared microscopic slides of representative animal organs are studied. Includes a lab.

Prerequisites: BIOL 113^C and BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 490 - Independent Study

Students will learn, in a hands-on manner, techniques of scientific inquiry. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 492 - Biology Seminar

For junior and senior biology majors. Each semester a different area of current research interest is chosen for study.

Prerequisites: BIOL 113^C and BIOL 114^C and BIOL 250^C and BIOL 325^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

BIOL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisites: (BIOL 100^C and BIOL 101^C) or BIOL 104^C and BIOL 201^C

and (BIOL 212^C or BIOL 312^C) and BIOL 250^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Biology.

Chemistry (CHEM)

CHEM 104 - Introduction Chemistry I

This course is the first course in a two-semester sequence for non-science majors which introduces the fundamental principles of Chemistry. Although this course serves as a prerequisite for the next course in the sequence (CHEM 106), it is also designed as a stand-alone course. This allows students to take either this course alone or the two-semester sequence and still obtain a basic understanding of chemical principles. The principles of chemistry are developed and illustrated through selective application. Note: This course is not a substitution for CHEM 107 and students cannot receive credit for CHEM 104 and CHEM 107. Also note that this course does not serve as a prerequisite for CHEM 108.

Credits: 3

Term(s) Typically Offered: Offered Every Term

CHEM 106 - Introductory Chemistry II

This is the second course in a two-semester sequence of an introductory chemistry course for non-science majors. The course will build on the principles presented in CHEM 104 which is a prerequisite for this course and will focus on the areas of organic and biochemistry. As with CHEM 104, this course will concentrate on the basic principles of chemistry and illustrate them through selected applications.

Prerequisites: CHEM 104^C or CHEM 107^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Winter, Spring&Summer

CHEM 107 - General Chemistry I

Topics include nomenclature, stoichiometry, kinetic-molecular theory, gas laws, electronic structure, periodicity, and chemical bonding. Stoichiometry is emphasized.

Prerequisites: (ACSD 110^D or ESAP 110^D) or MATH 199 (may be taken concurrently)^D or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH' or minimum score of 30 in 'ALEKS PPL Assessment'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

CHEM 108 - General Chemistry II

Topics include intermolecular forces, solutions, colloids, chemical kinetics, thermodynamics, equilibria (acid-base, solubility, and complex ion), electro-chemistry, and the transition elements.

Prerequisite: CHEM 107^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

CHEM 110 - Contemporary Chemistry Laboratory

Laboratory to accompany Chemistry 104 providing basic chemistry and environmentally related experiences. One two-hour laboratory per week.

Prerequisite: CHEM 104 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

CHEM 111 - General Chemistry I Lab

A laboratory to accompany CHEM 107. Laboratory experiments are designed to develop basic laboratory skills and illustrate concepts.

Prerequisite: CHEM 107 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall & Summer Terms

CHEM 112 - General Chemistry II Lab

A laboratory to accompany CHEM 108. Laboratory experiments illustrate the concepts of General Chemistry II.

Prerequisites: CHEM 108 (may be taken concurrently)^C and CHEM 107^C and CHEM 111^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring & Summer Terms

CHEM 113 - Clinical Chemistry Laboratory

Laboratory to accompany CHEM 103 providing basic chemistry and health-related experiences. One two-hour laboratory per week.

Prerequisite: CHEM 104 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

CHEM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CHEM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHEM 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CHEM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHEM 200 - Fundamentals of Organic Chemistry

A one semester introductory course that covers the most commonly encountered properties of the major families of organic compounds. The course is designed for students pursuing a B.S. in environmental science. Not equivalent to CHEM 201.

Prerequisites: CHEM 108^C and CHEM 112^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

CHEM 201 - Organic Chemistry I

Modern theories relating molecular structure to chemical reactivity are stressed. Elucidation of molecular structure by infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy is also covered.

Prerequisites: CHEM 108^C and CHEM 112^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

CHEM 202 - Organic Chemistry II

Modern theories relating molecular structure to chemical reactivity are stressed. Elucidation of molecular structure by infrared, ultraviolet, nuclear magnetic resonance and mass spectroscopy is also covered.

Prerequisite: CHEM 201^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

CHEM 204 - Introduction to Forensic Science

Forensic science is the application of science to the examination of physical evidence obtained in the investigation of a crime. The Introduction to Forensic Science course uses high impact practices to provide an immersed research experience for students in the different steps of the scientific method, while learning about the multidisciplinary and interdisciplinary nature of Forensic Science.

Credits: 3

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

CHEM 211 - Organic Chemistry Laboratory I

A laboratory course in which students employ the synthetic techniques and analytical procedures of organic chemistry.

Prerequisites: CHEM 112^C and CHEM 201^{*C} and CHEM 108^C (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Summer Terms

CHEM 212 - Organic Chemistry Laboratory II

A laboratory course in which students employ the synthetic techniques and analytical procedures of organic chemistry.

Prerequisites: CHEM 201^C and CHEM 211^C and CHEM 202*^C (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring & Summer Terms

CHEM 240 - Industrial Hygiene

Requirements to preserve worker health and safety will be surveyed.

Prerequisites: CHEM 108^D and (CHEM 200^D or CHEM 201^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

CHEM 243 - Introduction to Research in Chemistry

This is a one semester seminar covering faculty research within the chemistry department, use of library resources, internship opportunities available to undergraduate students, and basic safety training. This course is intended primarily for first-semester sophomore chemistry majors but is open to students from other majors in CHES who might be interested in pursuing undergraduate research in chemistry.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Sophomore 1 or Sophomore 2.

Enrollment limited to students in the College of Engineering & Science college.

CHEM 270 - Industrial Chemistry

A study of industries with emphasis on economic, technical, and possible ecological factors affecting process design. Includes on-site lectures and discussions of various industries in the area.

Prerequisites: CHEM 108^D and CHEM 112^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

CHEM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHEM 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CHEM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHEM 301 - Physical Chemistry I

Thermodynamics and chemical kinetics. Cross listed as PHYS301.

Prerequisites: CHEM 108^C and CHEM 112^C and (PHYS 212^C or PHYS 213^C) and MATH 230^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 302 - Physical Chemistry II

Quantum mechanics and spectroscopy.

Prerequisites: MATH 230^C and CHEM 108^C and CHEM 112^C and PHYS 211^C and (PHYS 212^C or PHYS 213^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 321 - Physical Chemistry Laboratory I

Principles from Thermodynamic principles will be employed in the laboratory for determining and relating physical properties such as viscosity, surface tension, boiling and freezing points to the identity, and composition of chemical substances.

Prerequisites: CHEM 301 (may be taken concurrently)^D or PHYS 301 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 322 - Physical Chemistry Laboratory II

Applied principles from Physical Chemistry II lecture will be used for interpreting results from experiments involving kinetics, equilibria, and spectrophotometric data.

Prerequisite: CHEM 302 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 335 - Biochemistry I

The study of structures and physical properties of biological molecules.

Prerequisites: CHEM 202^C and (BIOL 114^C or BIOL 250^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 336 - Biochemistry Laboratory I

A laboratory course in which the student uses techniques employed in biochemical investigations.

Prerequisites: CHEM 335 (may be taken concurrently)^C and CHEM 212^C
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 337 - Biochemistry II

Investigates the basic theme of intermediary metabolism. A background for this study is gained through study of the chemistry of cellular constituents.

Prerequisites: CHEM 335^C and CHEM 336^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 338 - Biochemistry Laboratory II

This is a one-credit course in biochemical techniques used in the investigation, isolation and purification of biomolecules. The student will get an exposure to and an appreciation for problem solving utilizing a research-oriented approach.

Prerequisites: CHEM 336^C and CHEM 337^{*C} (may be taken concurrently).
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 340 - Air Quality Assessment

A study of the quality of the air environment. Air quality assessment and potential problems will be examined both in lecture discussions and in laboratory or field situations. (Includes ambient air testing.) Three hours of lecture and three hours of laboratory per week.

Prerequisites: CHEM 200^C or CHEM 201^C
^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 350 - Analytical Chemistry

Topics include gravimetric and volumetric analysis of chemical systems. Special emphasis is given to titrimetric methods based on acid-base, complexation, and oxidation-reduction reactions.

Prerequisites: CHEM 108^C and CHEM 112^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 351 - Analytical Chemistry Lab

Students develop practical skills employed in the quantitative analysis of chemical systems.

Prerequisites: CHEM 350 (may be taken concurrently)^C and CHEM 108^C and CHEM 112^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 370 - Water Quality Assessment

Water quality assessment and water quality problems will be examined both in lecture discussions and in laboratory or field situations. Three hours of lecture and three hours of laboratory per week.

Prerequisites: CHEM 200^C or CHEM 201^C
^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 415 - Forensic Analysis

The application of analytical chemistry including instrumental methods to the investigation and interpretation of crime scene evidence.

Prerequisites: CHEM 350^C and CHEM 351^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 416 - Forensic Analysis Lab

The application of instrumental methods of analysis to the interpretation of crime scene evidence.

Prerequisites: CHEM 350^C and CHEM 351^C and CHEM 415^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 425 - Instrumental Analysis

A lecture course to introduce the student to the theory, advantages, disadvantages, limitations, and power of contemporary chemical instrumentation, including computational methods.

Prerequisites: CHEM 350^C and MATH 225^C and PHYS 211^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 426 - Instrumental Analysis Laboratory

A three hour per week laboratory accompanying CHEM 425.

Instrumentation and computing technology will be applied to quantitative problems of chemistry.

Prerequisite: CHEM 425 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 430 - Industrial Pollution Control Engineering

Economic and technical problems will be discussed as related to the abatement of harmful discharges from industrial sources. Systems analysis will be employed in the examination of engineering solutions in the physical or chemical treatment of discharge. Three hours of lecture per week or a field trip.

Prerequisites: CHEM 108^D and CHEM 112^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 442 - Inorganic Chemistry

A lecture course covering atomic structure, bonding, and properties of inorganic compounds. Coordination chemistry and other topics of current research interest are covered. Offered in alternate years.

Prerequisite: CHEM 202^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 450 - Chemistry Internship

Supervised placement and research in selected public and private agencies. (Credits earned will be counted as free electives and will not be counted toward the chemistry major.)

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 452 - Physical Inorganic Chemistry Laboratory

A laboratory course illustrating techniques of synthesis and characterization of inorganic compounds using a variety of spectroscopic and magnetic measurements, and using computational chemistry methods to investigate the electronic structure of compounds.

Prerequisites: CHEM 212^C and CHEM 442^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 460 - Materials Chemistry

A one semester introductory course that covers the synthesis, analysis, and properties of polymers and solid state materials. Applications to industrial and practical application will be discussed.

Prerequisite: CHEM 202^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 475 - Advanced Organic Synthesis

A one semester course that includes an advanced organic chemistry synthesis laboratory. The lecture part covers modern synthetically useful reactions and their applications. The intensive laboratory offers the students an introduction to organic synthesis research, including the use of modern reagents and instruments. Students will become acquainted with techniques of preparation, purification and spectroscopic identifications of organic compounds.

Prerequisites: CHEM 202^C and CHEM 212^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 490 - Independent Study

Independent Study courses offer a student the opportunity to carry out original, chemical research in a Chemistry Department, employing all facilities available through the department. Students must properly write and submit an ACS-style report to their faculty advisor or department chair for evaluation.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 491 - Chemistry Seminar

For junior chemistry majors. On-line searches of the chemical literature lead to oral presentations and written reports in a selected area of research.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 496 - Research

Offers a student the opportunity to carry out chemical research in the laboratory, employing all departmental facilities, and the experience of writing a thesis under the direction of a faculty mentor.

Credits: 1-3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHEM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Chinese (CHIN)

CHIN 101 - Chinese Language and Culture I

This course is the first in a three course series which will provide an introduction to the Mandarin language.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Transfer Thread Completion Course

CHIN 102 - Chinese Language and Culture II

This course is the second in a three course series which will provide an introduction to the Mandarin language.

Prerequisite: CHIN 101^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Transfer Thread Completion Course

CHIN 103 - Chinese Language and Culture III

This course is the third in a three course series which will provide an introduction to the Mandarin language.

Prerequisite: CHIN 102^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Transfer Thread Completion Course

CHIN 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CHIN 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHIN 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CHIN 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHIN 202 - Intermediate Chinese I

Comprehensive review of the Mandarin language with emphasis on developing the students' abilities for proficient oral and written accomplishments.

Prerequisite: CHIN 103^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CHIN 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHIN 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CHIN 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CHIN 306 - Survey of Chinese Civilization and Culture

A study of the important aspects of China's culture, including its geography, history, social and political values, arts, sciences, literature, religion, and ideology. Course is taught in English and open to all interested persons.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. The nature of the topic selected and its treatment are determined in consultation with the instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CHIN 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Civil Engineering (CIVL)

CIVL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CIVL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIVL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CIVL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIVL 210 - Elementary Survey

Introductory course in surveying methods and theory. Topics will include surveying, and route surveying.

Prerequisite: MATH 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

CIVL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIVL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CIVL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIVL 310 - Structural Engineering

Introduction to the elastic behavior of structural components. Analysis of statically determinate systems. Deflection calculations by virtual work and elastic load methods. Analysis of simple statically indeterminate structures. Influence lines. Interaction of structural components. Typical structural engineering loads.

Prerequisite: ENGR 230^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 320 - Transportation Engineering

Introduction to basic concepts in transportation engineering including: planning, design, and operations. Introduces the challenges and issues in modeling transportation problems. Studies of various concepts related to the design of highway facilities, level of service, and demand for transportation services. Concepts related to signal optimization, policy implications and the basics of transportation planning.

Prerequisite: MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 330 - Environmental Engineering

A course in environmental engineering fundamentals that applies biological, chemical, and mathematical principles to solve environmental engineering problems using the mass balance approach.

Prerequisites: MATH 230^D and BIOL 105^D and CHEM 107^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 340 - Geotechnical Engineering

Soil properties, identification and classification of earth material; subsurface exploration; soil strength, stresses, settlement, substructure design; computer applications.

Prerequisite: ENGR 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 350 - Water Resources Engineering

This course is designed to review the fundamentals and practices of water resources engineering with a focus on engineering applications of hydraulics and hydrology. The concepts of fluid mechanics (hydrostatics, conservation laws) will be applied to analyze flow phenomena in demonstrations and field trips.

Prerequisite: ENGR 301^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 410 - Structural Steel Design

This course covers the analysis and design of structural steel members for tensile, compressive, flexural and combined loading.

Prerequisite: CIVL 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 411 - Reinforced Concrete Design

This course covers strength design concepts, beams, columns, slabs, retaining walls, single and combined footings with computer applications.

Prerequisite: CIVL 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 412 - Finite Element Analysis

Modern analysis techniques used to investigate a variety of systems in engineering and science. Computational models of problems are developed using energy concepts, structural mechanics, and matrix operations. The methods used are implemented using a general finite element program and the accuracy of the results is evaluated. The learned theoretical approach is applied to common structural elements such as trusses, beams, frames, and plates.

Prerequisite: CIVL 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 420 - Traffic Engineering

This course covers the fundamentals of traffic engineering and traffic flow theory: traffic signal design, intersection design, and traffic impact studies. Students will be taught using Highway Capacity Software, SYNCHRO, and other traffic software packages.

Prerequisite: CIVL 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 421 - Highway Engineering

Principles of geometric design of highways, intersections, interchanges, and terminals. Practical issues of vertical and horizontal curvature, highway evaluation, driver and vehicle dynamics, and traffic safety are also addressed. Computer-aided design and modeling.

Prerequisite: CIVL 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 422 - Transportation Terminal Design

The course covers the transportation design of airports, rail stations and truck terminals to facilitate the transport of passengers and freight in the transportation systems. Terminals are designed to provide security, storage, and access to different modes of transportation.

Prerequisite: CIVL 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 430 - Storm Water Management

Quality and quantity of urban storm water. Receiving water problems and sources of pollutants. Runoff quality and quantity characteristics. Selection and design of controls; regulations.

Prerequisite: CIVL 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 431 - Environmental Engineering Design

Process design of treatment/remediation systems to solve specific environmental problems, including evaluation alternatives and computer simulation.

Prerequisite: CIVL 330^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 432 - Groundwater Hydrology

The course covers the fundamental science and engineering behind groundwater systems, including but not limited to: the hydrologic cycle, groundwater flow, and wellhead protection and management.

Prerequisite: CIVL 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 440 - Construction Management

Provides students with an overview of the responsibilities and risk associated with management within the construction industry. Emphasis is given to responsibilities and relationships between owners, contractors, labor and suppliers, construction estimates and schedules, construction contracts and safety.

Prerequisites: CIVL 340^D or COMG 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 441 - Sustainable Development

Provides an overview of sustainable development with emphasis on the role of the engineer. Study the role of LEED and other sustainable development programs in changing development design.

Prerequisites: CIVL 330^D or (ENGR 230^D and ENGR 231^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 460 - Capstone Design I

This course will provide students with the opportunity to work as part of a multi-disciplinary Civil Engineering design team. The course will consist of developing the preliminary design plans with presentations and reports. Students will learn about the regulatory process, LEED design, and site planning. Lectures in professional practice and teaming will augment the design project.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Civil Engineering.

CIVL 461 - Capstone Design II

This course will provide students with the opportunity to work as part of a multi-disciplinary Civil Engineering design team. The course will consist of a design project with presentations and reports. Lectures in professional practice and teaming will augment the design project.

Prerequisite: CIVL 460^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Civil Engineering.

CIVL 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIVL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Computer Science (CPSC)

CPSC 099 - Computer Competency Exam

This non-credit course is used to identify students who have met the university's computer competency requirement by earning a passing grade on the Computer Competency Placement Test.

Credits: 0

CPSC 100 - Introduction to Computing for Liberal Arts

A pass/no credit course to provide an introduction to the computer capabilities needed to succeed in an Information Society. This course is designed to support the SRU Computer Competency requirement. Topics will include computer hardware, software, networking, security and privacy, and societal issues.

Credits: 1

Term(s) Typically Offered: Offered Every Term

CPSC 102 - Collaborative Information Technology and Society

We will explore how the use of collaborative information technology impacts human interaction in globally diverse contexts. The course provides an introduction to the historical development, current use and future directions of collaborative technology in human societies. We will address how to manage and protect personal computing devices and communication, along with the ethical, legal and social issues involved in the use of these collaborative technologies.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

CPSC 110 - Computer Concepts

A computer literacy course stressing the use of application software on personal computers. It covers a survey of computers and their impact on society and the use of word processing software. Other application software is also covered, such as spreadsheets and database software, but the particular applications examined may vary from section to section.

Credits: 3

Term(s) Typically Offered: Offered Every Term

CPSC 125 - 3D Modeling for Computing

This course introduces students to 3D modeling for applications in computing fields. It covers the basic and intermediate features in 3D modeling software tools, which are utilized in applications such as 3D visualization, 3D animation, virtual reality/augmented reality, and 3D game design. This course also introduces students to the printing of 3D objects.

Prerequisites: CPSC 100^D or CPSC 110^D or CPSC 130^D or (PE 202^D or PHED 202^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CPSC 130 - Introduction to Computing and Programming

An introductory course devoted to programming and to a description of hardware and software concepts. Programming concepts covered include top-down program development using pseudocode, algebraic notation, standard control structures, and arrays in an appropriate programming language. Other topics include binary representation, storage, and general architecture and functioning of a computer system.
Keywords: computer science

Prerequisites: (ACSD 110^D or ESAP 110^D) or minimum score of 18 in 'Math ACT Exc 2 - EX110-PL MATH' or minimum score of 421 in 'Math SAT Exc 2 - EX110-PL MATH' or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CPSC 140 - Introduction to Programming Principles

Techniques are stressed that enable systematic development of clear, correct programs. Other topics include data types, algebraic notation, standard control structures, functions; input/output, arrays, and program testing and debugging. This course will be taught in C++.

Prerequisites: (ACSD 110^D or ESAP 110^D) or minimum score of 18 in 'Math ACT Exc 2 - EX110-PL MATH' or minimum score of 421 in 'Math SAT Exc 2 - EX110-PL MATH'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CPSC 146 - Programming Principles

Programming techniques that enable systematic development of clear and correct programs are taught in this course. Topics include data types, algebraic notation, standard control structures, functions, input/output, arrays, and program testing and debugging. Programs will be written in the department's current official programming language of instruction: C++

Prerequisites: (ACSD 110^C or ESAP 110^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CPSC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CPSC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CPSC 207 - Shell Commands and Scripting

This course provides essential skills for setting up a GNU/Linux Operating System (OS) and navigating the GNU/Linux file system. It includes topics such as virtualization, components of an OS, file management, text processing, user account and process management on Linux environment. Through hands-on exercises, students will learn command line utilities and shell scripting for task automation.

Prerequisites: CPSC 130^D or CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 210 - Productivity Software

An in-depth, practical study of existing productivity software packages that focuses primarily on decision-support systems for microcomputers. Projects will involve the use of intermediate and advanced features of various software packages, as well as the use of several packages in finding computer-based solutions to information storage and retrieval problems.

Prerequisites: CPSC 100^P or CPSC 110^D or CPSC 099^D or CPSC 130^D or minimum score of 01 in 'Computer Competency Exam'

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CPSC 217 - Advanced Web Programming

This course continues the coverage of JavaScript features for creating web pages with DOM features. Advanced topics are discussed including CSS scripting, arrays, functions, the creation and utilization of objects, mouse and browser events, pop-up windows, and forms. This course prepares students to learn spin-off languages and introduces the use of 3rd party libraries and APIs.

Prerequisites: CPSC 130^D and CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 236 - Selected Computer Languages

A selected prevalent computer language(s) other than those taught regularly in other Computer Science courses will be studied and used for programming. Topics will include data structure, control structures, modularization and other features of the language. Special applications, if any, of the language will be studied. For different languages, this course may be repeated for credit toward graduation, but not toward Computing major or minor.

Prerequisite: CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 237 - Mobile App Development for Smart Devices

A practical and comprehensive approach to designing, building, testing, and deploying mobile applications on smart devices is taught. Students build mobile applications that leverage device features and 3rd party application programming interfaces (APIs) to create stable and robust software. Topics covered include user interface design, input methods, data handling, interfacing with device APIs and connectivity.

Prerequisites: CPSC 217^D or CPSC 246^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

CPSC 246 - Object-Oriented Programming

This course emphasizes current techniques in object oriented design, analysis, and programming. Topics include encapsulation, information hiding, inheritance, abstraction, interface and polymorphism are studied in class assignments and programming exercises. Java programming language is utilized along with the UML modeling language.

Prerequisites: CPSC 146^D and (MATH 125^D or MATH 225^D or STAT 152^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CPSC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CPSC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CPSC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CPSC 300 - Challenges of Computer Technology

An in-depth study of the critical issues related to the computerization of society. Ethical, legal, and moral issues raised by the evolution of computer technology will be discussed.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 301 - Practical Computer Security

This course is a practical introduction to the threats present to the online, electronic community, and how to protect yourself and your organization from them. We will explore the connectivity structure of the Internet, along with the security and criminal threats to members of the online community. The legal, ethical, and technical issues related to threats such as viruses, worms, and identity theft will be covered.

Prerequisites: CPSC 099^D or CPSC 110^D or CPSC 130^D or CPSC 100^P

^D Requires minimum grade of D.

^P Requires minimum grade of P.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 305 - Introduction to Expert Systems

An overview of the purpose, structure, and applications of expert systems. Topics covered will include expert systems technology, knowledge engineering, applications of expert systems, expert systems development, and the future of expert systems.

Prerequisites: CPSC 100^P or CPSC 110^D or CPSC 130^D or CPSC 099^D

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 311 - Discrete Computational Structures

Introduces discrete mathematics with an emphasis on applications in computer science including logic, mathematical reasoning, proof techniques, sets, relations, functions, sequences, recursion, boolean algebra, counting, graphs, and trees. Also introduces computational complexity of algorithms. The course will stress traditional programming and mathematical approaches to these structures such as the use of recursion, elementary data structure, and proof techniques to instantiate, parse, traverse, demonstrate correctness, or use these computational objects.

Prerequisites: (MATH 125^D or MATH 225^D or MATH 230^D or MATH 231^D) and CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 315 - Internet of Things (IoT)

This course introduces the students to digital electronics and programming based on popular single-board microcontroller and single-board computer system platforms to interact with the environment. Sensors and actuators are utilized for communication and applications in the internet of things (IoT), smart homes, robotics, cyber-physical systems and sensor networks. Topics include the architecture of single-board microcontroller and single-board computer system, basic electricity and electronics, IoT building blocks, connections and configuration, and programming.

Prerequisites: CPSC 146^D and CPSC 207^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 317 - Server-Side Scripting

This course emphasizes programming using scripting languages to create the back-end of web applications. A variety of languages and utilities available on the web server are covered. The student is expected to have programming experience, knowledge of the Unix/Windows environments, and knowledge of database.

Prerequisites: CPSC 217^D and CPSC 207^D and CPSC 323^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 323 - Fundamentals of Database Systems

A practical approach to analysis, design, and implementation of database systems. This course covers topics such as: conceptual, logical and physical data models; relational database and relational algebra; building and mapping entity relationship diagrams (ERDs); normalization; basic and advanced Structured Query Language (SQL) for data retrieval and manipulation; functions, triggers, and procedures; transactions and concurrency control; security, backup, and recovery procedures.

Prerequisites: CPSC 130^D or CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 327 - Administration and Security

This course provides a comprehensive introduction to the fundamentals of system administration and security within modern server (Linux/Unix or Windows) environments. Students will learn the critical skills and knowledge required to manage and secure networked services. Topics include remote login, encryption/decryption, compression, print service, storage allocation, user management, and backup of the critical data and system. Practical hands-on exercises and real-world case studies will empower students to become proficient system administrators with a strong focus on safeguarding systems and data.

Prerequisites: CPSC 207^D and (CPSC 246^D or CPSC 217^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 333 - Introduction to Computer Forensics

This is a fundamental course which covers computer forensics. This class covers methods and tools for gaining forensic information from computer systems and networks. It includes case studies of cyber crimes as well as the application and management of cyber forensics. The course introduces students to forensics tools using hands-on experience and the Internet.

Prerequisites: CPSC 099^P or CPSC 100^P or CPSC 110^D or CPSC 130^D or CPSC 207^D or CPSC 210^D or (PE 202^D or PHED 202^D) or MIS 210^D

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 337 - Introduction to Web Graphics

This course will expose the student to the standards for Web and mobile graphics such as SVG, CSS and canvas. Topics include color models, coordinate systems, coordinate transformations and popular image formats. Differences between vector and pixel-based approaches and between declarative and scripted models of graphical content creation are also covered.

Prerequisites: CPSC 217^D or (CPSC 130^D and CPSC 246^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 342 - Introduction to Bioinformatics

It is a practical course that introduces a wide range of bioinformatics tools, algorithms and biological databases. A broad array of topics in Bioinformatics will be covered such as: overview of Bioinformatics, biological databases, sequence alignment, multiple sequence alignment, molecular phylogeny and evolution, gene expression analysis, protein structure and genome mapping.

Prerequisites: BIOL 250^C and (BIOL 104^C or (BIOL 101^C and BIOL 100^C))

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 358 - Simulation

Models of real-life phenomena are programmed with a current simulation language. These are run and adjusted for accurate prediction and explanation. Other simulation languages are surveyed, and needed statistical background is reviewed.

Prerequisites: CPSC 146^D and (ECON 219^D or MGMT 219^D or MATH 152^D or MATH 352^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 370 - Computer Organization and Architecture

This course provides an overview of computer organization and architecture and how computer design has evolved. The topics includes an overview of the major components of computers and their hardware interactions such as CPU control, pipelining, storage, cache, I/O devices, and their performances. The course will also introduce operating systems, instruction set operations and computer representation of integers and floating-point numbers, as well as algorithms for computer arithmetic. Students will understand the core components of computing architecture and design.

Prerequisites: CPSC 246^D and CPSC 311^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 374 - Algorithms and Data Structures

The course covers data structures and basic algorithms. Topics include stacks, queues, priority queues, single and double linked lists, trees, searching and sorting hash-tables, and complexity analysis of data structures and algorithms. This course builds and elaborates on the Java concepts introduced in CPSC 246.

Prerequisites: CPSC 246^D and (CPSC 311^D or MATH 225^D or MATH 230^D or MATH 231^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 376 - Programming Language and Theory

The class introduces the theoretical study of programming languages. The goal is a deeper understanding of the design and translation of programming languages. The topics cover language grammars and parsers, syntax and semantics, compiling processes, name and binding, scopes, data types, pointers, assignment operations, expressions and assignment statements, subprograms, functional and logic programming languages. Students will understand and apply computer theory, compilation processes, and programs written in declarative and imperative programming languages.

Prerequisite: CPSC 246^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 378 - Theory of Computation

Both the classical and the contemporary theories of computation will be discussed in this course. The topics covered include the theory of automata and formal languages, computability by Turing machines and recursive functions, uncomputability, and proof of correctness of code.

Prerequisites: CPSC 311^D or MATH 131^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Prerequisites: CPSC 150^D or CPSC 246^D or CPSC 217^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 405 - Data Mining and Data Analysis

This course provides a survey of data analysis and data mining techniques for finding patterns in data. It will emphasize the topics of data selection and preparation, model selection, model building and implementation, model testing and evaluation, and results interpretation. If students take CPSC 405 for the undergraduate program, they can take CPSC 605 for additional credits.

Prerequisites: CPSC 146^D and CPSC 323^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Students cannot enroll who have a program in Health Informatics.

CPSC 406 - Data Visualization

This course provides a survey of techniques for visualizing patterns in data. The course will emphasize modern and traditional methods for data visualization, including interactive visualization for data sets too large to display statically. If students take CPSC 406 for the undergraduate program, they can take CPSC 606 for additional credits.

Prerequisites: STAT 152^D and CPSC 146^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 415 - Advanced Bioinformatics

Advanced topics in Bioinformatics will be discussed in this course including: motif searching, biological networks analysis, next generation sequencing data analysis, programming for genomic data analysis, Data Mining techniques for biology problems such as Clustering of gene expression data, and Classification for protein function prediction.

Prerequisite: CPSC 342^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

CPSC 417 - Advanced Web Technologies

This course emphasizes up-to-date technologies that enable the development of interactive Web applications. New Web standards and their applications and development toolkits will be exemplified. Advanced concepts in scripting languages for the Unix and Windows environments will be discussed.

Prerequisite: CPSC 317^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 423 - Computer Networks

This course provides fundamental principles of computer networking, communication protocols, and technologies that enable digital communication. Students will gain a deep understanding of network architecture, design, and management issues, as well as practical skills needed to design, analyze, troubleshoot, and secure computer networks. Course topics include the layered architecture of computer networking and software/hardware, network programming interfaces, routing algorithms, wireless networks, privacy, and security of a computer network.

Prerequisites: CPSC 207^D and (CPSC 246^D or CPSC 217^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 427 - IT Capstone Project

This Information Technology course uses graphical user interface design concepts to introduce interface design possibilities. Students will design, implement, and evaluate intricate interfaces that utilize systems design, information management, systems administration and security, and programming concepts from lower-level courses. This is a capstone course that introduces human user interface theory and practice.

Prerequisite: CPSC 317^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 450 - Internship

Professional work experience performed as an intern at selected agencies supervised both by the agency and by the Computing and Security Department. Credits: 3, 6, 9, or 12 credits, where 1 credit = 40 work hours. That is, 3 credits require 120 hours of work. Minimum of 2.75 overall QPA, and minimum of 3.0 major QPA

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Computing or Cybersecurity.

CPSC 456 - Introduction to Computer Graphics

This course introduces the basics of interactive computer graphics including software and hardware requirements for computer graphics systems, graphics data structures, algorithms, and graphics applications. This course is an introduction to the rendering of 2D/3D computer graphics images. It starts with an overview of interactive computer graphics, two-dimensional systems, and mapping, then it presents the important drawing 2D/3D graphic algorithms, geometric transformations, viewing, clipping, lighting, shading, and texture mapping using WebGL. Students will work with dedicated graphics computers to complete laboratory exercises and course projects.

Prerequisites: CPSC 311^D and (CPSC 217^D or CPSC 246^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 464 - Principles of Concurrent Programming and Operating Systems

An introduction to operating systems with emphasis on fundamental principles. These include store management, processor management, file systems, and input/output. Laboratory exercises are assigned using a language that supports concurrency. Distributed and "real time" illustrations are used, as well as standard operating system illustrations.

Prerequisites: CPSC 370^D and CPSC 374^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 466 - Compiler Design and Implementation

This is an introduction to language translation. Topics include specification of languages and its relation to automata, lexical analysis, finite state machines, context free languages, LL and LR parsing methods, syntax directed translation, error recovery, code generation, and portability.

Prerequisites: CPSC 370^D and CPSC 374^D and CPSC 376^D and CPSC 378^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 468 - Software Engineering and Project Management

Software engineering projects inherently involve numerous stages, processes, and stakeholders, each contributing to the development and delivery of a software product. This course is designed to bridge the gap between theoretical knowledge and practical application in managing software, IT, cybersecurity, or informatics projects proficiently from inception to completion. The course solidifies foundational knowledge and ensures applicability within the relevant industry. If students take CPSC 468 for the undergraduate program, they can take CPSC 668 for additional credits.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

CPSC 474 - Advanced Architecture & Parallel Computing

This course will investigate the architecture and software models involved in parallel computing. We will explore both shared-memory and distributed-memory systems, along with the algorithms and languages involved in those systems.

Prerequisites: CPSC 370^D and CPSC 374^D and CPSC 311^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 476 - Artificial Intelligence

A survey of artificial intelligence topics including heuristic programming, search techniques, expert systems, fuzzy logic, genetic algorithms and swarm intelligence.

Prerequisite: CPSC 374^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 478 - Analysis of Algorithms

An advanced study of algorithms and data structures. Analysis of algorithms, space and time complexity, and the NP classes will be considered. Significant illustrative individual or group programming projects are required. Examples may be drawn from heuristic programming, encipherment, natural language processing, object code generation, combinatorial analysis, graphics, robotics, relational databases, or other algorithmic issues of current importance.

Prerequisite: CPSC 374^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 480 - Topics in Computer Science: Machine Learning

This course provides an overview of concepts, techniques, algorithms and applications in machine learning, including supervised learning (e.g.: classification and regression), unsupervised learning (e.g.: clustering and dimensionality reduction), and learning theory (e.g.: bias/variance; regularization and feature selection). Moreover, the course will include research projects that will require writing computer code, conduction experiments, and writing papers. If students takes CPSC 480 for the undergraduate program, they can take CPSC 680 for additional credits.

Prerequisite: CPSC 374^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 485 - Big Data Analytics

This course covers the theoretical and practical fundamentals of Big Data. Students will learn the essentials of big data analytics including Big Data Characteristics, Management, Storage, Processing, and Analysis. The course is designed to involve hands-on experience with big data frameworks such as Hadoop MapReduce and Spark. If students take CPSC 485 for the undergraduate program, they can take CPSC 685 for additional credits.

Prerequisite: CPSC 405^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 488 - Software Engineering

The course is the study of software engineering principles and design. The course will emphasize requirement analysis, design, implementation, testing and debugging of a semester long project. Students will work in groups for the project to be implemented. There will be multiple phases for the design and implementation of the project. The project will be implemented using the Java or a language permitted by the instructor.

Prerequisites: CPSC 311^D and CPSC 374^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 490 - Independent Study

Supervised study in a special interest area. Prerequisites: Two computer science courses selected from 370 or above, permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CPSC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Construction Management (COMG)

COMG 100 - Fundamentals of Construction Management

This course offers an overview of roles, responsibilities, and risks in the construction industry, examining viewpoints from owners, constructors, designers, financial institutions, and governmental agencies. It delves into construction process techniques and their practical applications.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

COMG 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

COMG 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMG 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

COMG 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMG 220 - Construction Estimating and Scheduling with Lab

This course covers scheduling and resource optimization methods, including short-interval scheduling, Gantt charts, linear and matrix scheduling formats. It explores network techniques like CPM and PERT, including concepts and calculations, with a focus on computer applications. It consists of two hours of lecture and one hour of laboratory. This course introduces principles and procedures for estimating construction costs. Topics include quantity determination, estimate pricing, specification analysis, solicitation of subcontractors and suppliers, risk assessment, risk analysis, and final bidding preparation. The semester project involves computer-based estimating.

Prerequisite: MATH 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

COMG 240 - Quantity Surveying and Document Analysis

This course focuses on quantity takeoff techniques and the interpretation, understanding, and critical analysis of documents sourced from engineers, architects, governmental agencies, vendors, suppliers, and other contractors.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

COMG 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMG 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

COMG 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMG 320 - Soil and Foundation for Construction

This course covers foundational concepts vital for construction projects. It includes soil mechanics, foundation types, excavation, concrete technology, and structural systems. Emphasis is on understanding soil behavior, foundation design, and construction methods, with practical applications and case studies for real-world readiness.

Prerequisites: ENGR 230^D and ENGR 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 330 - Facility Systems Design and Construction

This course introduces mechanical systems for facilities, encompassing HVAC, boilers, chillers, air-handling units, fire protection, piping, and plumbing systems. It includes sustainable/green construction concepts and energy conservation principles. Students gain detailed knowledge to analyze needs, scope, design, and construction of these systems, focusing on addressing integration issues between design and construction phases.

Prerequisite: ENGR 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 340 - Mechanical and Electrical Systems for Construction

This course introduces mechanical systems for facilities, encompassing HVAC, boilers, chillers, air-handling units, fire protection, piping, and plumbing systems. It includes sustainable/green construction concepts and energy conservation principles. Students gain detailed knowledge to analyze needs, scope, design, and construction of these systems, focusing on addressing integration issues between design and construction phases.

Prerequisite: ENGR 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 350 - Construction Law and Contracts

This course addresses legal issues in construction, including various contract types like stipulated sum, unit price, and cost-plus contracts. It covers construction lien and bond rights, scope of work disputes, builders' risk concerns, risk-shifting strategies, and includes case studies for practical application.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 420 - Heavy Construction Methods and Equipment

This course examines heavy construction methods and equipment, covering their characteristics, capabilities, limitations, and uses. It explores selection techniques, process planning, simulation, fleet operations, and maintenance programs. Field trips may be included as appropriate.

Prerequisite: COMG 340^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 440 - Construction Cost Control with Lab

This course covers the principles and practices of managing and controlling construction costs. Students learn techniques for accurate cost estimating, budgeting, monitoring, and controlling expenses throughout a project. Key topics include cost forecasting, budget development, variance analysis, value engineering, and financial management. It consists of two hours of lecture and one hour of laboratory. The course also incorporates the use of industry-standard software and real-world case studies to illustrate effective cost control strategies.

Prerequisite: COMG 220^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 460 - Capstone Project

This course integrates theoretical knowledge with practical applications in real-world construction projects. Through lectures, case studies, and hands-on projects, students develop advanced project management skills including scheduling, resource allocation, and risk management. They explore construction planning, control mechanisms, and sustainable practices, alongside legal and ethical considerations. Emphasis is placed on integrated project delivery methods, technology integration, and financial management strategies essential for success in the construction industry.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Construction Management.

COMG 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMG 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Corporate Security (CSS)

CSS 100 - Modern Security

This course will explore the ever-changing security environment confronting domestic governments in securing its homeland, for-profit and non-profit organizations, and individuals. This course will discuss the history of security, the sub-topics of security, and whether insecurities can be eliminated, prevented, or merely managed. Students will apply risk assessment procedures, devise solutions to complex security issues, and weigh the strengths and weaknesses of those solutions. The student will be able to assess the complexity of solving modern day security problems when confronting economic limitations, policy and legal implications, and the feasibility of providing security to diverse populations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES STUDENT attribute.

CSS 120 - Introduction to Private Security

This course will provide an overview of the private security field and the numerous complexities within it. Topics include but are not limited to an overview of private security, the basic goals and responsibilities of the industry, the challenges facing security, and various security systems for infrastructure, institutional and commercial organizations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CSS 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CSS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CSS 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CSS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CSS 210 - Physical Security

This course discusses the methods, processes, and policies surrounding the security protection of the workplace. Students will study the historical roots of physical protection of assets, cultural contexts and interpretations of security efforts, as well as the way modern technology is changing the methods and focus of protection programs. The important elements of physical barriers, electronic controls and surveillance, and procedural efforts to secure assets will be examined. The role of the Security Manager in regulated workspaces will be discussed.

Prerequisite: CSS 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

CSS 240 - Security Management

This course will examine the security department's role and function within an organization and the activities associated with operating and managing the department. This course will also look at how to manage various relationships security professionals encounter both internally and externally.

Prerequisite: CSS 120^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

CSS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CSS 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CSS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CSS 300 - Personnel Security

This course discusses the structures, processes, and regulations surrounding the security protection of people in the workplace. Students will study and weigh the advantages and legal restrictions of background checks as a condition of employment. Protection of workers in general, as well as programs to safeguard executives, workers in controversial industries/fields, and the design of policies and programs providing protection for workers with special issues outside the workplace will be examined. Defining, preventing and reacting to workplace violence will be explored.

Prerequisites: CSS 120^D or HSS 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 310 - Organizational Continuity and Resilience

The ability of an organization to quickly and effectively “snap back” from a crisis can impact availability of life saving products, organizational viability, and a positive public reputation. This course will introduce the concepts of protecting people, products, resources, and reputation through a thoughtful and effective pre-crisis planning process emphasizing a return to normalcy. Expanding the security manager's role to consider protection of resources specifically vulnerable to various rare-event threats, students will learn strategies for contingency planning. The impact of public/private partnerships in resilience planning and contrast/connection to emergency management will be emphasized.

Prerequisite: CSS 240^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 320 - Security Risk and Emergency Management

This course will provide guidance how to conduct risk assessments, handle emergencies and develop and implement business contingency and disaster recovery plans. students will learn how to develop and use risk surveys and other information gathering techniques, and design and implement controls by understanding cost/benefit analysis, crime prediction, response planning and business impact analysis.

Prerequisite: CSS 240^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 351 - Fraud

Approximately 5% of U.S. organizations annual revenues are lost to fraud each year. This course explores the historical and social problems created by fraud, the ethical and legal issues fraud presents to organizations and our economy; and the principles of fraud detection, examination, and prevention organizations employ to combat fraud in order to minimize both economic losses and a loss of jobs.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Summer

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course, United Stated in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 352 - Law & Ethics in the Workplace

This course explores the historical, legal, ethical and practical implications of legal rights of workers in organizational relationships. This course will provide the historical evolution of protective legislation for workers and the continual refinement of common law to workers' rights. Ethical issues not addressed by the law will be explored as well as the importance of diversity in order to provide maximum growth for society and all individuals.

Credits: 3

Term(s) Typically Offered: Offered Winter, Spring&Summer

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 354 - Risk Assessment and Fraud Prevention

Every level of today's organizations must make ethics and organizational integrity a priority. Controlling for risk and preventing fraud are critical skills leaders in every organization will be called upon to exercise. Focus must be placed on fraud prevention, internal controls, compliance with regulations and other risk exposure. Students will apply course concepts to their own disciplines.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 360 - Specialized Fraud Schemes

This course will examine specialized frauds such as identity theft, financial institution fraud, payment fraud, insurance fraud, healthcare fraud, contract and procurement fraud, tax fraud, and bankruptcy fraud. A thorough analysis of money laundering and its place in specialized fraud schemes will be reviewed. For each type of specialized fraud, we will explore the various types of fraud schemes within these specialized frauds and the controls that can be implemented to prevent or detect them.

Prerequisites: CSS 351^D and ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in CERT - Fraud, Fraud or Organizational Security.

CSS 370 - Fraud Law and Report Writing

This course will examine both domestic and international laws surrounding fraud. We will discuss the special non-governmental agencies assisting in the fight against fraud domestically and worldwide and their recommended compliance guidelines. In this class we will also discuss how to write an effective fraud report for various audiences. Ethical responsibilities of a fraud examiner will also be examined.

Prerequisite: CSS 351^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Fraud.

CSS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 420 - Fraud Examination

This course will expose the student to an in-depth analysis of the fraud schemes perpetrated by those within and external to organizations. The elements of fraud schemes, the red flags associated with each scheme and how the scheme can be prevented and detected will be analyzed. This course will also emphasize financial statement fraud, and external fraud schemes from customers, vendors and unrelated third parties. Corporate espionage will also be covered.

Prerequisite: CSS 351^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Corporate Security.

CSS 430 - Corporate Security Law

This course will cover the pertinent security laws surrounding an investigation and developing a case for prosecution. It will also cover the various laws security professionals can breach while conducting security investigations.

Prerequisite: CSS 351^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Corporate Security, Fraud or Organizational Security.

CSS 440 - Corporate Security Investigation

This course will provide the fundamentals of corporate security investigations, the methods used in an investigation, how to build a case, apply investigative strategies, use investigative technology and write an effective report. The course will also emphasize the ethics, values and laws one must consider when conducting an effective investigation.

Prerequisite: CSS 351^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Corporate Security, Fraud or Organizational Security.

CSS 450 - Internship

Supervised placement and research in selected public and private agencies.

Credits: 3-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 460 - Corporate Security Capstone

Student will apply and demonstrate prior knowledge, skills and abilities to a major project which will be communicated both in written and oral forms. This course will cover current topics in corporate security and current global issues challenging security. A discussion of professional ethics, proper etiquette and interviewing skills, negotiation and conflict resolution skills will also be discussed.

Prerequisites: CSS 440^C and CSS 430^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Corporate Security.

CSS 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CSS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Counseling & Development (CDEV)

CDEV 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CDEV 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CDEV 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CDEV 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CDEV 201 - Interpersonal and Group Dynamics

Interpersonal behavior in small groups, with attention to group structure, individual factors, communication, and techniques. Treatment of leadership, group pressures, the effect of the group on personality, and group aims.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CDEV 248 - Human Development and Education

A study of the various stages of physical, intellectual, and emotional development, from pre-school age through adolescence, with reference to the effects upon the learning and educational process.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

CDEV 249 - Child Development

A study of the various stages of development from conception to adolescence. Attention is directed to the physical, emotional, intellectual and social development of the child.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CDEV 250 - Adolescent Psychology

A study of the physical, mental and emotional development during the changes from childhood and the influence on attitudes and behavior of the age group in relation to the theories. Psychological principles are applied to the problems of family, community and school adjustment, as well as to the development of the persons.

Credits: 3

Term(s) Typically Offered: Offered as Needed

CDEV 251 - Mental Health in America

What is mental health? How does American society view mental illness? What systems are there to support people who struggle with mental health concerns? Do these systems work? How and why does someone get diagnosed? This course will explore all these questions and more as students will explore mental health in the context of American society past and present with implications for the future. Current issues and trends in mental health and wellness will be explored including the current mental health system in America, advocacy for mental health issues and treatment, stigma in society related to mental health, how issues of diversity impact mental health and treatment, and how the topic of mental health impacts individuals and society.

Credits: 3

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

CDEV 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CDEV 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CDEV 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CDEV 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CDEV 395 - Undergraduate Workshops

Special topics of interest to undergraduates and selected community members. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CDEV 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CDEV 490 - Independent Study

A program of independent work conducted by a student who has demonstrated academic proficiency. Prerequisite: Permission of the instructor, advisor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CDEV 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CDEV 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Criminology & Criminal Justice (CRIM)

CRIM 105 - Human Diversity

An orientation to living and working with diverse populations within modern American society, including examination of the strengths and stresses associated with diversities.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

CRIM 110 - Introduction to Criminology & Criminal Justice Systems

This course covers the basic principles of the criminal justice system and criminological theory. Students will be introduced to policing, corrections, the criminal court process, legal procedures, and criminological theories, among other fundamentals of the criminology discipline.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

CRIM 115 - Proseminar

This is a writing intensive course that prepares criminology/criminal justice students for standard academic and professional expectations for the field. This class encompasses writing requirements and style for criminal justice and basic library research skills.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Criminology & Criminal Justice or Criminology.

CRIM 123 - Crime Prevention

This course introduces students to various methods of crime prevention, especially those that aim to prevent crime before it requires traditional punitive responses. The course surveys theory and research on various approaches such as situational crime prevention, environmental design, community partnerships, social programs, and interventions with at-risk youth. Emphasis is placed on applying course material to real-world crime prevention scenarios.

Credits: 3

Term(s) Typically Offered: Offerings Vary

CRIM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CRIM 170 - Crime: Why Do We Do It?

This course examines different theoretical explanations of criminal behavior and how to test them using social science research methods. Further, the course explores how to translate these theories into public policy and draws attention to the interdisciplinary nature of the field of criminology.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CRIM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CRIM 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CRIM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CRIM 253 - American Policing

This course covers the introductory elements of US policing and law enforcement. Topics of study include operations, legal aspects, ethics, diversity and other key issues.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CRIM 263 - Introduction to Criminal Procedure

This course covers the processes of criminal procedure. It includes landmark legal cases, search and seizure requirements, use of force, arrest, interrogation and court structures.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CRIM 273 - American Corrections

Examines the legally sanctioned methods of dealing with lawbreakers. The correctional methods studied will include institutional and community corrections, and the newer dispositions such as community service, restitution, and electronic monitoring. Current issues examined will include prison gangs, the problem of AIDS, women in prison, and prison privatization.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Criminology & Criminal Justice or Criminology.

CRIM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CRIM 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CRIM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CRIM 301 - Theoretical Criminology

A critical review of pure and applied theory within the field of criminology, including coverage of classical, biological, psychological, sociological, economic, political, and integrated theories of the causes of crime.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Criminology & Criminal Justice.

CRIM 302 - Sexual Violence

This course will explore multiple aspects of sexual violence including typologies and legal classifications of sex crimes, the motivations of offenders, victimology/trauma, studies of convicted rapists, social/cultural/media effects and context, and the criminal investigation of sex offenses.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

CRIM 317 - Statistical Methods in Criminology and Criminal Justice

This course is designed to introduce students to basic principles of probability theory, data analysis and data interpretation. Using SPSS, students will engage in basic data analysis, including descriptive and inferential statistics. More specifically, this course will cover univariate and bivariate measures, analyses of cross classified data, correlation, t-tests, analysis of variance, regression and related measures. Emphasis will be placed on how to use, interpret and understand some of the basic techniques used by criminal justice researchers and practitioners.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Criminology & Criminal Justice.

CRIM 318 - Research Methods in Criminology and Criminal Justice

This course is an introduction to criminological research that is intended to develop the student's research and analytical skills. Specifically, the course will focus on the theory of inquiry, research design, data gathering methods (surveys, secondary data and unobtrusive methods, field observation), evaluation research analysis, sampling and research reporting. Students will also learn how to use library resources as well as electronic resources.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Criminology & Criminal Justice.

CRIM 321 - Criminal Justice interventions 1

A review of basic theories, philosophies, methods, and skills that underlie successful community and correctional-based interventions with individuals serviced by the federal, state, and/or local criminal justice systems. Coverage will include the overrepresentation of minorities within the American correctional system and service provision to culturally diverse populations.

Prerequisites: CRIM 110^D and CRIM 273^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Criminology & Criminal Justice.

CRIM 322 - Criminal Justice Interventions 2

A review of basic theories, philosophies, methods, and skills that underlie successful community and correctional-based interventions with an emphasis on groups and families serviced by the federal, state, and/or local criminal justice systems. Topic coverage also includes examining the overrepresentation of minorities under correctional supervision and service provision to culturally diverse populations.

Prerequisites: CRIM 110^D and CRIM 273^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 326 - Victimology

This course will present the student with a detailed understanding of the scope of victimology and the extent of criminal victimization by examining specific crimes types, the impact of crime on victims and society, the role of victims within the criminal justice system, specific remedies, and victim rights and services.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 327 - Criminal Justice and the Multicultural Community

This course will examine current issues and social problems relating to the administration of justice in a culturally diverse society. The focus of the course will be on the changing ethnicity of communities and related changes in social and institutional public policy.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 328 - Transnational Crime & Justice

This course focuses on the historical development and current status of various forms of transnational crime from the perspective of the international criminal justice community. This course explores the roots and operations of organized crime and how globalization has facilitated the emergence of transnational organized crime in the U.S. and in various regions throughout the world. Particular emphasis is given to issues of drug trafficking, illegal arms trade, money laundering, human trafficking and sex trafficking. This course also examines the current strategies for the containment and control of such activities.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 333 - Crime, Justice and Society

An exploration of the major theories of crime with an emphasis of those contemporary theories that explore the relationship of race, gender, and crime. Topics may include prostitution, rape, hate crimes, and crimes against the gay community.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 343 - Criminal Investigations

This course provides an introduction to criminal evidence and investigations. The topics include how evidence is collected and developed, the different types of evidence, the role of evidence in investigation, and basic investigative principles.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 345 - Juvenile Delinquency

The behaviors of adolescents in modern societies have resulted in the need for society to exert various methods of social control. The reasons for these formal and informal control strategies are examined from a sociological view of institutional changes.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 360 - Police and Society

This class examines the role of law enforcement and policing in contemporary society. This course also covers the history of policing, policing theory, police culture, different law enforcement agencies, and the social role of modern police agencies.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Criminology & Criminal Justice or Criminology.

CRIM 368 - Comparative Criminal Justice Abroad

This course examines similarities and differences between the United States' criminal justice system and another country's criminal justice system. The course requires a travel abroad activity that will include experiential learning regarding criminal justice components, such as police, courts, and corrections programs.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2 or Sophomore 2.

CRIM 370 - Inside Out Views of Criminal Justice Issues

This course creates a partnership between institutions of higher learning and correctional systems in order to deepen the conversation about criminal justice issues and transform our approaches to understanding crime, society's response to it, justice, inequality, and other issues of social concerns. This semester-long class brings together college students and incarcerated men or women to study as peers behind prison walls.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Criminology & Criminal Justice.

CRIM 380 - Women & the Criminal Justice System

This course will focus on theoretical and contemporary issues involving female practitioners, victims and offenders in the criminal justice system. Students will have the opportunity to become acquainted with and evaluate the political, legal and social issues of crime relating to women. This course will also examine diversity issues. More specifically, this course will examine how gender, race/ethnicity and class are related to the way they are treated in the criminal justice system in the U.S.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 402 - Forensic Behavior: Crime and the Individual

This course explores aspects of mental illness, cognitions, psychopathology, mental disorders and other psychological aspects of criminal behavior and their relation to theories of crime. This is a cross-listed course that will fulfill either graduate or undergraduate credit.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

CRIM 404 - Applied Criminal Procedures

This course addresses the history, legalities, trends and controversies in law adjudication as it pertains to issues of crime and justice. Students will examine the topics of criminal law, landmark cases, prosecution, defense, court procedures and decision-making and their interaction with our society.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 405 - White Collar Crime

This course explores the complex issues surrounding white collar crime. In terms of white collar crime, the topics addressed may include: the complexities of defining it, theoretical explanations for it, the economical, physical and social costs that result from these types of crimes, and the issues the criminal justice system faces in trying to control it.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 408 - Capstone: Ethics and Criminal Justice

This course examines the traditional schools of ethical thought and how they are applicable to the field of criminology, crime, and justice. Students will study formal works in ethics and morality and develop understanding of their role in the criminal justice professions as well as issues of crime, law, and society. This course is designed as a writing intensive course.

Prerequisite: CRIM 115^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Criminology & Criminal Justice.

CRIM 414 - Criminal Justice Policy

This course explores the contemporary criminal justice system, major systems of social control and their policies and practices; as well as policies related to courts, victimology, juvenile justice and comparative criminal justice. These policies will be studied through the lenses of individual liberties, collective formalized controls, multicultural factors and issues related to race, gender and diversity.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Criminology & Criminal Justice.

CRIM 416 - Community Corrections

The course explores the origins of community corrections and its role in the American criminal justice system. Starting with pre-arrest diversion, the course covers the major issues and topics associated with community correction programs. Students are required to complete a service learning component.

Prerequisites: CRIM 110^D and CRIM 273^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 422 - The Death Penalty

An examination of the problems and issues related to the death penalty in the United States, including the history of capital punishment, important Supreme court decisions, how the various jurisdictions deal with capital cases, the comparative costs of incarceration and executions, miscarriages of justices in capital cases, the impact of minority status and how the criminal justice responds to these issues.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

CRIM 450 - Internship

Supervised placement in selected professional agencies.

Credits: 1-12

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 468 - Crime & Media

This course will examine images of crime and criminal justice as portrayed and presented by the mass media including popular media (fictional television show, music, novels, etc.) as well as "news" programming and print media. More specifically, the course will analyze how crime and criminals, and criminal justice systems (police, courts and corrections) are portrayed by the mass media. This course will analyze the media's relationship to criminological theories as well as to criminal justice policies and practices. This course will also examine how gender, race and class are related to the way crime is depicted in the mass media.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 490 - Independent Study

Independent research under the guidance of a faculty member.

Prerequisite: Permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. (repeatable up to 6 credits) Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CRIM 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CRIM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: CRIM 110^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Curriculum, Instruction, and Educational Leadership (CIEL)

CIEL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CIEL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIEL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CIEL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIEL 245 - Innovation and Instructional Technology

The course focuses on continuous learning, demonstrating leadership, digital citizenship, collaboration, instructional design, innovation, facilitating learning, and creating and analyzing assessments using technology.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

CIEL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIEL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CIEL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CIEL 316 - Diagnostic, Formative, and Summative Assessment Strategies

A study of assessment for children from birth to Grade 12. Diagnostic, formative, and summative assessment strategies will be discussed with the emphasis on tools that can be used by teachers to inform developmentally appropriate instruction and practices on a daily basis. Considerations in choosing, creating, administering, and reporting results of assessments will also be addressed.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

CIEL 326 - Teaching Multi Language Learners

A course designed to acquaint the prospective teacher at any level with the methodology used to teach English Language Learners. Topics include linguistic and cultural diversity, standard-based instruction, assessment, and professionalism.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 348 - Educational Leadership, Advocacy & Program Development

This course will focus on leadership, advocacy and program development for teacher candidates preparing to work with children Pre-K to Grade 12. Focus will be on the design, development, and evaluation of education programs, including theory, paradigms and models, policy in the program development process, and the use of technology in program development. In addition, this course will include theory, research and practice in early childhood and secondary education as a foundation for leadership in the field and advocacy on behalf of students, families, communities, and the education profession. An examination of current issues in the field and strategies for articulating positions and for working toward change will also be addressed.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

CIEL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 455 - Student Teaching: Elementary or Secondary School

Under the guidance of a cooperating teacher and university supervisor, candidates engage in teaching assignments on a full-time basis in specified school districts and/or early childhood agencies and attend scheduled seminars. Student teaching requires a partnership between the university and cooperating school districts and agencies. It is considered the culminating experience and the most beneficial teacher preparation course. It is a transition between pre-service and in-service teaching. Must meet all requirements to enroll in student teaching, including, but not limited to, grade point average, clearances, required courses, and field experiences.

Credits: 1-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

Enrollment limited to students with department of Curriculum, Instr & Educ Ldshp.

CIEL 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CIEL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Cybersecurity (CYBR)

CYBR 101 - Cybersecurity in the Era of Evolving Technology

This course covers the fundamental concepts and design principles behind cybersecurity. This course will provide the students with the awareness, knowledge, opportunity and resources to develop the cybersecurity skills required for full participation as informed, responsible, ethical and productive citizens. Through research-oriented discussions and projects, the course will focus on security design, principles, ethics and models that all students should know and be able to apply independently when using technology, computing systems, digital media and information technology, including the internet.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course, United Stated in Global Context

CYBR 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

CYBR 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CYBR 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CYBR 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CYBR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CYBR 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

CYBR 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

CYBR 301 - Secure Programming

This class will present the basic topics in computer security and their relationship to secure programming. A broad array of topics in secure software development will be covered such as the following: Security models, threats, design principles and secure coding practices. The course will cover programming language features and semantics to evaluate and to facilitate implementation of programs that are free from vulnerabilities. Additionally, different types of systems including web-based systems and some internals of OS kernel software testing and exploitation will be explored. Moreover, the software design patterns to built-in security during the architectural phase of the lifecycle will also be covered in detail.

Prerequisite: CPSC 246^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Science degree.

CYBR 353 - Software Assurance

This class will present a detailed description of software assurance practices, methods, and tools required throughout the software development life-cycle. The students will apply the development life-cycle processes and methodologies to explore common programming errors and to evaluate the common software testing tools.

Prerequisite: CYBR 301^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Science degree.

CYBR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

CYBR 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CYBR 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CYBR 401 - Software Security Analysis

This course presents the tools and methods for analyzing software security. This course will focus on software penetration testing and will stress the critical aspects of software security testing in all phases of the software development life cycle with special emphasis on applications that are about to be deployed. An in-depth discussion on various security testing methods and tool vulnerabilities will be taught with hands-on demo of concepts during the class. Students will learn how to perform penetration testing in a practical way using well-established tools.

The course will cover a wide range of topics such as web architecture, application infrastructure, reconnaissance, discovery, mapping, and exploitation.

Prerequisite: CYBR 353^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Science degree.

CYBR 471 - Malware Analysis

This course covers foundational knowledge of discovering software vulnerabilities. The topics of reverse engineering and malware investigation will be presented in detail through the study of various cases and hand-on analysis of malware samples. It covers fundamental techniques that are used to analyze both source and binary code to equip the students with enough background knowledge for examining current threats and discussing the actions needed to prevent attackers from taking advantage of both known and unknown vulnerabilities.

Prerequisite: CYBR 353^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Science degree.

CYBR 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CYBR 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

CYBR 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Dance (DANC)

DANC 101 - Wellness for Dancers

The first component of this course will cover body conditioning methods, injury prevention and basic concepts of anatomy and kinesiology. Additionally this course may include, but not be limited to, nutrition, weight management, fitness and strength practices specific to the needs of the dancer. The second component of this course will cover time/stress management, study skills and an introductory approach to writing techniques and research methodologies. Students may be required to attend on-campus dance events and some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Dance.

DANC 125 - Experiencing Dance: Techniques and Styles

DANC 125 is an introduction to dance and movement techniques. It will focus on establishing a basic foundation in dance with emphasis on correct alignment, technique, and the unique stylistic components of a variety of dance genres. In this course, students will develop the ability to demonstrate and synthesize technical corrections, understand the elements of dance (space, time and energy), and perceive dance as an art form. This course may include dance genres such as Modern Dance, Jazz, Ballet, Improvisation, African-Based Dance, Social Dance, and dance-related practices such as Yoga and Pilates. In addition to the technical component of the course, students will examine the historic, cultural and social contexts in which these dance styles have been developed. DANC 125 is a blended course. The dance technique component takes place in the dance studio; the lecture/research/reading/writing component takes place online. This course may be repeated up to nine credits. Prerequisites and Notes: Students may be required to attend dance events and some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

DANC 130 - Dance: Art and Culture

Studying and experiencing the arts, including dance, music, theatre, and the visual arts, develops creative and aesthetic abilities. The arts introduce students not only to artists and their creations, but also to history, cultures, values, technique, imagination, creativity, and issues relevant to society. Students will gain an understanding of the creative process and how to analyze and interpret message and meaning in works of art. While the arts can bring us pleasure, they can also serve to enlighten and illuminate critical issues, lead to personal discoveries, and foster innovation in all fields. Students will learn to think critically about the arts, develop an appreciation for artistic creations, and by viewing live performances and exhibitions, become engaged audience members. Arts inquiry courses use and develop the analytic and interpretive modes of inquiry needed to understand and explore both tangible and abstract artistic works and the cultures in which they exist. In arts inquiry courses, students confront a variety of cultural and artistic expressions in order to gain an understanding of the human condition, and ultimately express their relationship to artistic work, meaning, and the creative process. Attendance at arts events will be required during this course and may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

DANC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

DANC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

DANC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

DANC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

DANC 199 - Dance Making and the Art of Performance

This course will focus on the theoretical and practical application of dance performance and composition skills. Students will explore the relationship between research, concept development and personal style through the performance of original solo choreography. Students may be required to attend on and off campus dance events; some may require a fee.

Prerequisites: DANC 200^D and DANC 224^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 200 - Dance Composition I

This course will be an introduction to the elements of dance (space, time, and energy) and to the practice, theory, and art of dance composition. Experiences in solo and ensemble compositions will focus on improvisation, and lead to understanding content, aesthetics, creating, structuring, and ultimately choreography. Students will be required to attend certain dance events for this course; some may require a fee.

Prerequisite: DANC 224^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with department of Dance.

DANC 216 - Principles of Dance Production

This course provides knowledge and practical hands-on experience in the many aspects of dance production and performance. A broad range of topics will prepare students for producing their work and collaborating with other artists and disciplines. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 220 - Modern Dance Technique: Level II

This second level course is a furthering and continuation of setting the foundation established in DANC 125, providing students with the information and the tools needed to extend technique, skills and performance quality. The course may be repeated for a maximum of 6 credits. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Dance.

DANC 221 - Ballet II

This course advances students' technical and performance foundation and will allow students to expand their knowledge of ballet technique and vocabulary. Students will examine, analyze and apply technical and performance concepts relative to classical ballet and its history. This course may be repeated for a maximum of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Dance.

DANC 222 - Jazz Dance II

This course advances students' foundational knowledge of jazz dance by improving and refining their skills in performance, technique, and stylistic approaches to the genre. In addition to experiencing several jazz dance movement styles, students will identify, define, and analyze key concepts of jazz dance. This course may be repeated for a total of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with department of Dance.

DANC 223 - Creative Dance for Children

The intellectual and artistic impact of Creative Dance for Children, in both academic and studio settings serves as the primary focus of this course. Laban-based movement principles will be explored through creative and improvisational experiences leading to lesson and unit plans in dance addressing a variety of academic areas suitable for use by classroom teachers and dance specialists. Students will gain an appreciation for dance as an art form and an understanding of how dance can address several academic disciplines most appropriate for inclusion in a grade K-5 curriculum. State and national dance standards will be addressed with additional experiences in lesson planning, pedagogy and peer teaching. Additionally, basic knowledge in anatomy and body mechanics, nutrition and wellness, and an awareness of safe/unsafe practices in the home, school and community will be provided. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

DANC 224 - Improvisation

This course provides the student opportunities to explore the processes of discovering, creating and performing movement spontaneously through experimental practice, creative research, and writing. Course content will vary each semester. Students will be required to attend certain dance events for this course; some may require a fee. The course may be repeated for a maximum of 6 credits.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with department of Dance.

DANC 254 - Musical Theatre Dance I

Musical Theatre Dance I will introduce the students to the fundamentals of dance for musical theatre performance, including jazz, tap, and hip hop. Students will learn correct alignment and techniques applicable to musical theatre genres, and apply those principles to the dance styles found within those genres.

Prerequisite: DANC 125^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered as Needed

DANC 271 - Dance Technology

This hands-on course will explore the interactive possibilities between the live dancer and the projected image, as well as the temporal and spatial possibilities of dance on film. Students will direct, shoot and edit original video compositions using current technology, as well as perform in a multi-media work.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

DANC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

DANC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with department of Dance.

DANC 299 - Dance Rehearsal and Production

This course provides dance majors and minors the opportunity to receive credit for the numerous hours spent in rehearsals and performances. Students will select specific activities and then develop a contract for completion of responsibilities and evaluation. Tasks may include choreographer, rehearsal assistant, rehearsal and performance as a dancer, publicity or as member of the technical support staff during performance (stage manager, running crew, usher, lighting). This course requires an audition and/or permission of the faculty member of record. Both 299 and 499 may be repeated up to 4 credits.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 300 - Dance Composition II

This second level of dance composition will include creating choreography based on specific forms of movement and music, emotion oriented and movement oriented dances, dances utilizing props and sets, and site-specific dance. Students will be required to attend certain dance events for this course; some may require a fee.

Prerequisite: DANC 200^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 301 - Dances of Selected Cultures

This course is an in-depth examination of dances from selected cultures, including but not limited to: Butoh, Classical Indian Dance, African Dance, Hula, Flamenco, Hip-hop or another cultural dance. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

Enrollment limited to students with department of Dance.

DANC 305 - Society and Social Dance

This course will examine the relationship between social dance and the social, political and cultural climate of the society in which the specific dance forms were created and performed. Emphasis will be placed on 20th century American social dance forms and styles. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

DANC 318 - Dance in the Political World

Through various critical lenses, this course analyzes the choreographic production of influential dance makers in a variety of geographic areas through the present day. This course is anchored on the term choreography and its multiple meanings, ranging from orchestrated movement performed on a proscenium stage to organized movements and actions of bodies in everyday life. This course is structured to permit the student to view dance through a variety of theoretical lenses. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

DANC 320 - Modern Dance Technique: Level III

This third level course requires the student with an established foundation in modern dance to extend their knowledge and acquire additional understanding of technical material and performance quality. The course may be repeated for a maximum of 6 credits. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 321 - Ballet III

This course advances the competencies gained in DANC 221; movements and combinations increase in complexity and difficulty to further extend technique and performance ability. In addition to classical ballet, contemporary ballet vocabulary and aesthetics will be introduced, along with examining theories of classical and contemporary ballet. This course may be repeated for a maximum of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 322 - Jazz Dance III

This course advances the competencies gained in DANC 222; movements combinations build in complexity and difficulty through experiencing a broad range of jazz dance periods and styles. Students will analyze the technique and choreography of key jazz dance figures and aesthetics within the larger jazz dance continuum. This course may be repeated for a total of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 323 - Teaching of Dance

This course is designed to introduce students to the theory and practice of sound dance teaching and ethical teaching practices. Information on critical thinking, teaching and learning styles, imagery, diversity, and assessment will be explored. Students' abilities and strengths as teachers will be assessed and evaluated throughout the semester. This course must be taken with Field Experience, DANC 350, which allows the students to have practical teaching experiences. Students will be required to attend certain dance events for this course; some may require a fee.

Prerequisites: DANC 223^D and DANC 350^{*D} and DANC 326^D (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 324 - Music for Dance

This course is designed to provide students with information regarding music for dance performance, production, and accompaniment. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 326 - Dance Kinesiology

This course includes the study of human movement specific to dance, with emphasis on the anatomical principles and the laws of physics as they apply to dance technique and performance. The course includes structural and neuromuscular analyses including individual analysis of alignment, muscular imbalances, body types, conditioning needs and movement behavior. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 350 - Field Experience in Dance Technique

Field Experience provides the opportunity for students to teach in private studios, recreation centers and/or the public/private school systems. To be taken concurrently with DANC 323. Students will be required to attend certain dance events for this course; some may require a fee.

Prerequisites: DANC 223^D and DANC 323^{*D} and DANC 326^D (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 354 - Musical Theatre Dance II

Musical Theatre Dance II will continue the exploration of jazz, tap, and hip hop dance begun in Musical Theatre Dance I. This second level technique course will continue to refine the student's skills in performance and stylistic techniques.

Prerequisites: THEA 254^D or DANC 254^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 399 - Repertory

This course provides students with an in-depth experience in an aspect of scholarly research, performance experience and/or creative process. This course may be repeated for a total of 6 credits. Course content will vary each semester the course is offered. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 419 - Dance in Contemporary Times

This course examines specific genres and historical developments in dance in the 20th and 21st centuries. The aesthetics and philosophies of leading dance artists will be explored. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 420 - Modern Dance Technique: Level IV

This fourth level course is for the student who demonstrates a strong technical foundation, and accurately performs dance movements and combinations consistently. Course may be repeated for a maximum of 6 credits. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 421 - Ballet IV

This fourth level pre-professional course advances the competencies gained in DANC 321 and is for the student who demonstrates a strong technical foundation and accurately performs both classical and contemporary ballet material with consistency while implementing artistic choices. Students will connect and evaluate their understanding of the history of ballet to contemporary issues. This course may be repeated for a maximum of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 422 - Jazz Dance IV

This fourth level pre-professional course advances the competencies gained in DANC 322 and is for the student who demonstrates a strong technical foundation and accurately performs a broad range of jazz dance styles and repertory with consistency, personal style, and implementing artistic choices. Students will analyze the political and social undercurrent of jazz dance in America. This course may be repeated for a total of 6 credits. Course content will be different each semester. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 424 - Contemporary Partnering

This course investigates the techniques of Contact Improvisation to develop contemporary partnering. Students will be required to attend certain dance events for this course; some may require a fee.

Prerequisite: DANC 224^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 425 - Senior Capstone I: Dance Research

Advanced level research, writing, and discussions will lead to the development and presentation of the student's senior project. Readings and discussions on dance philosophy, aesthetics, leadership, and arts advocacy will be the basis of this course. Practical experiences in resume and grant writing, graduate school applications, interviews, and career planning will be covered.

Prerequisite: DANC 326^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students in the BA 5153, BFA 5353, BFA 5354 or BFA 5355 programs.

DANC 426 - Modern Dance Technique: Level V

This fifth level course is for students who can demonstrate total integration of technique and performance, including sensitivity to aesthetic concepts. Students will focus on the following: a continual refinement and advancement in the level and knowledge of technique, quality of performance, and aesthetic concepts; a clear understanding of dance as a profession and demonstrated professionalism and maturity. Course may be repeated for a maximum of 6 credits. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 428 - Modern Dance Technique: Level VI

This sixth level modern dance course is for the student who can execute technique and performance at an advanced level and knows, understands, and can demonstrate dance theory and concepts. This course is for the dancer who is at the pre-professional level. Course may be repeated for a maximum of 6 credits. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Dance.

DANC 430 - BFA Capstone II: Performance, Choreography, and Entrepreneurship

This BFA capstone course will include advanced-level research, writing, and discussions, and will lead to the development, production, and presentation of the student's senior project. The course will include practical, theoretical, philosophical, and artistic resources applicable to a professional career in dance or related field, and include an emphasis on the University's Student Learning Outcomes.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment limited to students in the BFA 5353, BFA 5354 or BFA 5355 programs.

DANC 450 - Dance Internship

Supervised placement and research in an appropriate agency. For further information, contact the Department of Dance. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

DANC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department. Students will be required to attend certain dance events for this course; some may require a fee.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Dance, Dance - Performance, Dance- Business Administration, Dance or Dance: Performance.

DANC 499 - Dance Rehearsal and Production

This course provides dance majors and minors the opportunity to receive credit for the numerous hours spent in rehearsals and performances. Students will select specific activities and then develop a contract for completion of responsibilities and evaluation. Tasks may include choreographer, rehearsal assistant, rehearsal and performance as a dancer, publicity or as member of the technical support staff during performance (stage manager, running crew, usher, lighting). This course requires an audition and/or permission of the faculty member of record. Both 299 and 499 may be repeated up to 4 credits.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Dance.

Economics (ECON)

ECON 105 - Economics of Social Issues

As an introductory course, it is intended to provide an understanding of how our economic system works. It examines the forces that determine what, how much and who obtains the outputs of the economy, and explains the issues behind current economic problems. A framework of building blocks from micro, macro, and international economics is developed to enable students to comprehend the differences among alternative solutions and to understand the implications of policy issues constantly confronting a mixed dynamic economy.

Credits: 3

Term(s) Typically Offered: Offered Winter, Spring&Summer

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

ECON 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ECON 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECON 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ECON 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECON 201 - Principles of Macroeconomics

Definition of economics; concepts and institutions; demand, supply and the price system; national income; employment and fiscal policy; monetary policy; economic stability and growth.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

ECON 202 - Principles of Microeconomics

Economics of the firm; resource allocation; price and output determination; market structure; current economic problems; international economics.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

ECON 211 - Real Estate Finance

The study of nature and scope of real estate, factors affecting demand and supply, property rights, title, deeds and title closing, sources of financing, real estate valuation, taxes, leveraged buy-outs, and real estate investment decision.

Credits: 3

Term(s) Typically Offered: Offered as Needed

ECON 219 - Business Analytics I

Probability and statistics in a business environment encompassing descriptive statistics, probability theory, hypothesis testing, linear regression and correlation. Prerequisites: Algebraic proficiency and microcomputer proficiency. Cross-listed as MGMT 219.

Credits: 3

Term(s) Typically Offered: Offered Every Term

ECON 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECON 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ECON 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECON 301 - Macroeconomic Analysis

Determination of national income and employment. National income accounts as measures of aggregate economic behavior. Analysis of income stability, unemployment, inflation and growth.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 302 - Microeconomic Analysis

Intermediate price theory including theories of demand, supply, production, resource allocation, market structure, general equilibrium and risk analysis.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 304 - Money and Banking

Emphasis is upon monetary policy, how it is implemented, the theories on which it is based, and the implication of this policy on our economy.

Prerequisite: ECON 201^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 312 - Critical Choices in Health Care Policy

This course analyzes the health care sector. It presents reasons for the growth in health care expenses, assesses how and why they are likely to grow, and details policy options that confront health care administrators, consumers, employers, and government officials.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread

Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 315 - Economics of Sustainable Development

Economic causes and effects of pollution are discussed along with the issue of sustainable economic development. government policy with respect to the environment and renewable energy will be surveyed. The framework connection between sustainability and the core functions of business for profit in the global economy will be presented.

Prerequisite: ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread

Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 318 - Introduction to Econometrics

Economic and statistical analysis encompassing multiple regression methods, economic and statistical decision analysis, and advanced forecasting techniques.

Prerequisites: ECON 219^D or MGMT 219^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 319 - Business Analytics II

This course introduces various methods on how to analyze large sets of business data in order to uncover potential business opportunities. Students will learn both predictive analytics and prescriptive analytics. The predictive analytics include trend analysis, forecasting techniques, data mining, and spreadsheet modeling. Prescriptive analytics covers linear optimization and decision analysis. Business software such as productivity software, data visualization, and business intelligence software will be heavily used as a main focus of learning.

Prerequisites: (ECON 219^D or MGMT 219^D or STAT 152^D) and (MATH 113^D or MATH 115^D or MATH 117^D or MATH 118^D or MATH 122^D or MATH 123^D or MATH 125^D or MATH 131^D or MATH 210^D or MATH 225^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

ECON 324 - Game Theory, Behavioral and Experimental Economics

This is an upper division undergraduate course, focused on Behavioral Economics, Game Theory and Experimental Economics. Behavioral economics and experimental economics are relatively new fields in which decision making is examined in a controlled laboratory/field setting. The data from these experiments are used to evaluate theories as well as to test and fine tune policies that could not be easily tested with naturally occurring data. The range of applications for experimental research is broad (and growing) and includes fields such as behavioral economics, public economics, industrial organization and regulation, environmental economics, game theory, and bargaining. This course surveys research in many of these fields and provides a basic framework for designing and conducting experiments. In this sense the course fulfills two objectives: to encourage students to think about the empirical and policy implications of the economic theories taught in other classes and to teach skills that may be used to conduct empirical analysis (using laboratory and field experiments data).

Prerequisite: ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

ECON 326 - International Economics

Alternative exchange rate systems, commercial trade policies, balance of payments, adjustment mechanisms and the role of international financial organizations.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 360 - Labor Economics

An investigation of labor markets and the effect of institutional forces on employment, wage determination, stability, and the availability of labor.

Prerequisite: ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 450 - Internship

Supervised placement and research in selected public and private agencies at appropriate institutions. Course can be taken for 1-12 credits, 3 credits are recommended.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 490 - Independent Study

In-depth reading and/or research in an area of particular interest to the student, with the guidance of a faculty member. Prerequisites: 12 hours of major courses, application, and permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECON 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Electrical and Computer Engineering (ECSE)

ECSE 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ECSE 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECSE 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ECSE 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECSE 230 - Instrumentation with Lab

This course covers theoretical analysis and implementation of common instruments common in engineering and industrial processes. Other topics include measurement system design and error propagation methods. This course has an integral laboratory component in addition to lecture sections.

Prerequisite: PHYS 217^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

ECSE 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECSE 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ECSE 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ECSE 310 - Circuit Analysis II

Continuation of ENGR 250 covering steady-state and transient AC circuits, poly-phase AC circuits, semiconductor devices, and integrated circuit devices/fabrication.

Prerequisites: ENGR 250^D and ENGR 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 320 - Electrical Circuit Design

Modeling, design, and analysis of electrical circuits and printed circuit boards using CADD tools, and circuit modeling software. In the lab section students will develop and produce their own printed circuit boards.

Prerequisite: ECSE 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 340 - Processor Design and Structure

Structure and design of modern processors including fabrication, logic control, interfacing, memory design, parallel computing, and programming in appropriate languages.

Prerequisite: CPSC 246^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 350 - Signals and Systems

Analysis of continuous-time and discrete time signals and modeling of linear time-invariant systems. Programming tools, such as MATLAB and analytical methods will be used to simulate or analyze signals. Context is routed in engineering and physics topics related to controls, communications, and signal processing.

Prerequisites: MATH 301 (may be taken concurrently)^D and MATH 232^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 360 - Engineering Electromagnetics

Study of electricity and magnetism using Maxwell's equations in the context of engineering systems. Topics include electromechanical devices, transmission, antennas, radiation, and use of simulation software.

Prerequisites: PHYS 217^D and MATH 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 410 - Energy Conversion

Course on the conversion of electrical energy into different forms with emphasis on electromechanical energy, rectifiers, inverters, and power systems applications.

Prerequisite: ECSE 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 420 - Wireless Communication

Foundations of wireless communication systems with theory and modern practice/implementation. Topics include: frequency allocations, modulation, multiplexing, architectures, bandwidths, signal coding/decoding algorithms, and multiple access systems.

Prerequisite: ECSE 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 430 - Digital Signal Processing

Theory and methods used to process, design, and implement digital signals and filters. Topics include: quantization, z-transforms, FFT's, filters, and signal sampling.

Prerequisite: ECSE 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 440 - Electric Power Systems

Design, modeling, and analysis of modern electrical power generation, distribution systems, and their components. Students will be using SCADA for real-time monitoring and control of power generation systems.

Prerequisite: ECSE 410^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Junior 1, Junior 2 or Senior 1 may **not** enroll.

ECSE 460 - Capstone Design I

Capstone Design course is the culmination of the educational experience in Electrical and Computer Engineering. The courses require students to draw upon all previous coursework and cultivate new skills in order to solve complex design problems associated with an assigned multidisciplinary group project. This is the first course of a year-long design experience.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Electrical& Computer Engineer.

ECSE 461 - Capstone Design II

Capstone Design course is the culmination of the educational experience in Electrical and Computer Engineering. The courses require students to draw upon all previous coursework and cultivate new skills in order to solve complex design problems associated with an assigned multidisciplinary group project. This is the second course of a year-long design experience.

Prerequisite: ECSE 460^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Electrical& Computer Engineer.

ECSE 470 - Applied Digital Systems

Course addressing theory and practical implementation of digital systems such as programmable logic devices, and FPGAs using the HDL programming language.

Prerequisites: CPSC 246^D and ECSE 310 (may be taken concurrently)^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ECSE 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Elementary Education/Early Childhood (ELEC)

ELEC 100 - Early Childhood Education Theory & Practice

This course is designed to introduce students to early childhood education with emphasis on historical and contemporary perspectives, theories, practice and current trends and developments. Early childhood environments for children from birth through nine years of age will be studies and various curricula materials will be reviewed. Examination of the student's personal qualities in relationship to expectations of the field is addressed throughout the course (COE assessment of dispositions). Students will be exposed to children within a variety of early childhood settings via videotaped observations of children and classrooms.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

ELEC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ELEC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ELEC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ELEC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ELEC 200 - Child Development Typical

This course will provide a critical overview of key aspects of child development (physical, psychosocial, and cognitive) from theories and research that span conception to the early school years (birth to age 9). Important contexts that shape children's development will also be a major focus of this course, such as family, school, community, socioeconomic, and policy influences.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

ELEC 230 - Field-Based Child Development Typical

Candidates will connect theory to practice in this course. Both typical and atypical child development will be studied in-depth through observations in a variety of education and education-related settings for children birth through grade four.

Prerequisites: ELEC 100^D and ELEC 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 237 and ELEC 281

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment limited to students in the College of Education college.

ELEC 237 - ELL Strategies and Practice for Early Childhood Education

This course will focus on the development of competencies and skills needed to effectively teach students whose first language is not English so that teacher candidates can accommodate and adapt instruction and assessments for Pre-K through Grade 4 English Language Learners (ELLs) In addition, this course is designed to provide pre-service early childhood educators with the scientific study of psycholinguistic phenomena in the study of language acquisition, to understand development of typical and atypical oral language in young children from birth to age 9, and to understand cultural and familial influences on language and literacy.

Prerequisites: ELEC 100^D and ELEC 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 230 and ELEC 281

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

ELEC 238 - Literacy Practices for the Emergent Learner, PK-1

Through a blend of theory and practice, this course explores research-based instruction for the emergent literacy learner (PreK-grade 1), including the relationship between language development and literacy, instructional activities to help children become competent users of oral language, reading and writing processes, creation of a literate environment, and cultural and familial influences on language and literacy.

Prerequisites: ELEC 100^D and ELEC 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 285

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ELEC 281 - Family and Community Diversity and Partnerships

This course is designed to acquaint the teacher candidate in early childhood education to the theories, practices, skills, and knowledge of home, school, and community relationships, building towards home and school partnerships. The focus of this course is developing a thorough understanding of diverse contexts and ethnicities that helps educators of young children strengthen the bonds between home, school and community.

Prerequisites: ELEC 100^D and ELEC 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 230 and ELEC 237

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ELEC 285 - Integrating Creative Expression through the Arts

This course will identify basic elements, principals, related concepts, and vocabulary of the creative and performing arts. The creative arts exist as vehicles through which we can communicate the very essence of expressive language. Students will be introduced to various media, lesson planning, and ways of integrating the arts into planning academic and multicultural curricula for PreK-4 classrooms. This course will serve as a foundation for integrating arts across the curriculum.

Prerequisites: ELEC 100^D and ELEC 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 238

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ELEC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ELEC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ELEC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ELEC 301 - Math/Science Teaching Lab

Provides students with a myriad of opportunities to: identify and develop basic teaching skills, design and implement math and science lessons for peers and school-aged children, and reflect/analyze lessons in light of science and math education research findings. Throughout the course, candidates will have the opportunity to actually experience classroom teaching when possible.

Prerequisites: ELEC 281^D and (ELEC 288^D or ELEC 304^D)

^D Requires minimum grade of D.

Corequisite(s): ELEC 342

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 306 - Early Childhood Education I

Research, history, philosophy, current trends and observations with emphasis on the nature and nurture of the young child from birth through third grade.

Prerequisites: ELEC 200 (may be taken concurrently)^D and ELEC 248^{*D} and CDEV 342 (may be taken concurrently)^D (may be taken concurrently).
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 308 - Folk Literature and Storytelling

Combines a study of traditional literature with practice in the best methods of presenting it orally. Oral presentations include a preschool story hour, folk tale, and myth or literary fairy tale. The course also emphasizes the importance of puppetry in education and recreation.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 311 - Mathematics & Literacy Teaching Lab Pre K - 4

This course provides teacher education candidates with an opportunity to observe, assist, and teach mathematics and literacy lessons in a pre-school or early childhood grade level setting. Through this lab, candidates identify and develop basic teaching skills, design and implement mathematics and literacy lessons for PK-Grade 4 children, and reflect and analyze on lessons taught, based on assessment data, research and philosophies examined concurrently in the mathematics and literacy methods courses. Candidates will also develop an appreciation for the many tasks teachers perform daily.

Corequisite(s): ELEC 316

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 316 - Developmental Formal and Informal Assessments

A study of assessment for children from birth to Grade 4. Both formal and informal instruments will be discussed with the emphasis on tools that can be used by teachers of young children to inform developmentally appropriate instruction and practices on a daily basis. Considerations in choosing, administering, and reporting results of assessments will also be addressed.

Corequisite(s): ELEC 330

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 317 - Child and Family Development in Early Childhood

This course is a theoretical, in-depth examination of physical, intellectual, social-emotional, language and family development from birth through age 8, which builds upon previous Human Development courses. Development is viewed as occurring within a family and a culture, not in isolation. Emphasis is placed upon the connections between the theoretical and the practical.

Prerequisites: CDEV 248^D and ELEC 306^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 320 - Elementary Field Experience

Candidates enroll as part of the Professional Block in Elementary Education. This course involves an in-depth teaching experience in an elementary classroom in which opportunities are provided for the application of content knowledge, pedagogical skills, and the assessment of children's learning. Grading P/NC/Fail.

Prerequisites: ELEC 301^P and ELEC 342^D and ELEC 362^D
^P Requires minimum grade of P.
^D Requires minimum grade of D.

Corequisite(s): ELEC 332

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 324 - Methods for Teaching English as a Second Language and Bilingual Education

A course designed to acquaint the prospective teacher at any level with the methodology used to teach English to native speakers of other languages and to acquaint students with the specialized procedures used when teaching in bilingual classrooms (any two languages) on any level.

Prerequisites: ELEC 200^D and (CDEV 248^D or CDEV 342^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 325 - Children's Literature

This course introduces the children's literature: the history, the authors and illustrators, and the readers. A major focus is on diversity in books for children and how different cultures, experiences, time periods and characters are represented, or excluded. Emphasis is placed on critical analysis and discussion of books and illustrations, with a focus on elements of literature and art. Children as readers is also a focus, exploring ways that literature is used in classrooms and families.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Early Child/Spec Ed(PK-4)PK-8) or Early Childhood Education.

ELEC 327 - Social/Cultural Studies in Early Childhood Education

This course is a multi-dimensional methods course which integrates background knowledge from the social sciences, natural sciences, and the humanities and fine arts. It focuses on an experiential approach to facilitating young children's growth and development, with an emphasis on human relationships. A multi-cultural perspective is fostered.

Prerequisites: (ELEC 306^D or ELEC 396^D) and CDEV 248^D and ELEC 200^D and SEFE 342^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 397

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 328 - Curriculum and Assessment in ESL Education

This course prepares students seeking Pennsylvania certification in English as a second language (K-12) with key concepts related to curriculum development and assessment for students learning English as a second language. Topics include meeting ESL curriculum standards, novel and accurate assessment procedures, culturally biased testing, assessment suitability criteria, and culturally appropriate testing situations. The course investigates assessment within the context of ESL curriculum design, implementation, and program evaluation. Finally, students will come to terms with the process of evaluating language minority students in relation to diagnosis, placement, formal and informal assessment, exiting, and monitoring of student progress.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 330 - Literacy Practices for the Developing Learner, Grades 2 - 4

Candidates will acquire a thorough understanding of literacy development (ages 5 - 9) as revealed in learning and motivation theories. Candidates will be prepared to use a variety of instructional strategies and materials selectively, appropriately, and flexibly. Candidates will be prepared to use multiple strategies for developing students' word/concept knowledge and word analysis skills in addition to understanding how word meaning and fluency support comprehension. Candidates will be able to teach multiple comprehension strategies that support readers in constructing meaning from text, both literary and informational, and in monitoring their comprehension. Candidates will gain strategies for infusing writing and the conventions of writing into literacy learning. Candidates will acquire appropriate assessment techniques to support responsive instructional decision making and reflection. Competencies and skills needed to effectively support students whose first language is not English will be central to this course.

Candidates will be able to teach multiple comprehension strategies that support readers in constructing meaning from text, both literary and informational, and in monitoring their comprehension. Candidates will gain strategies for infusing writing and the conventions of writing into literacy learning. Candidates will acquire appropriate assessment techniques to support responsive instructional decision making and reflection. Competencies and skills needed to effectively support students whose first language is not English will be central to this course.

Corequisite(s): ELEC 340

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 332 - The Teaching of Elementary Reading

Candidates will be introduced, through theory and practice, to a variety of strategies for teaching elementary reading. Candidates will become aware of ways to assess reading progress and ways to support children as they develop as readers. Candidates will also become familiar with materials used in the classroom to support literacy.

Prerequisites: ELEC 301^P and ELEC 342^D and ELEC 362^D

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Corequisite(s): ELEC 320

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 340 - Mathematics Methods and Strategies for PRE K - 4 Teachers

This course is designed to provide pre-service teachers with the pedagogy and materials necessary for teaching early childhood mathematics. This course addresses development and instruction in play-based and problem-based mathematics in pre-K to grade 4 settings. Included are methods, materials, and research findings related to teaching of mathematics. Questions that provide the structure for this course are: What is the nature of mathematics (what is mathematics and what does it mean to do mathematics)? How do children learn mathematics? How do we as teachers help children learn mathematics?

Corequisite(s): SPED 350

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

Enrollment limited to students in the College of Education college.

ELEC 342 - The Teaching of Elementary Mathematics

The various processes and operations needed to effectively teach mathematics in the elementary school are carefully analyzed. Candidates recognize and can address the mathematical concepts and the potential misconceptions and misunderstandings of these concepts by school-aged children.

Prerequisites: MATH 210^D and MATH 310^D and SEFE 270 (may be taken concurrently)^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 362

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 347 - Modern Primary Programs

A survey of philosophy, techniques and methodology used in educating children through continuous progress in an ungraded primary school.

Prerequisites: ELEC 306^D or ELEC 396^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 348 - Leadership, Advocacy & Program Development

This course will focus on leadership, advocacy and program development for teacher candidates preparing to work with children Pre-K to Grade 4. Focus will be on the design, development, and evaluation of early childhood programs, including theory, paradigms and models, policy in the program development process, and the use of technology in program development. In addition, this course will include theory, research and practice in early childhood as a foundation for leadership in the field and advocacy on behalf of young children, families, communities, and the early childhood profession. An examination of current issues in the field and strategies for articulating positions and for working toward change will also be addressed.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 352 - The Teaching of Language Arts

Candidates will be introduced, through theory and practice, to a variety of strategies for teaching elementary language arts. They will become familiar with the six components of language arts: reading, writing, speaking, listening, visually representing, and viewing. Candidates will learn strategies for teaching these components and integrating them into the classroom curriculum. Candidates will also become familiar with assessment tools for language arts.

Prerequisites: ELEC 301^P and ELEC 342^D and ELEC 362^D

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 362 - The Teaching of Elementary Science

Candidates will learn numerous strategies which engage students in the science inquiry process by connecting scientific understanding and contemporary teaching and assessment practices. Locating and adapting appropriate activity-based science lessons are important components of this course.

Corequisite(s): ELEC 301

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 372 - The Teaching of Elementary Social Studies

Candidates in this course will explore the social studies curriculum, including its organization; analyze methods of teaching, objectives, and materials; and discuss evaluation/assessment techniques. Study focuses on best practice classroom applications and the relationship between instruction and student learning outcome. Field experiences included.

Prerequisites: ELEC 301^P and ELEC 342^D and ELEC 362^D

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 382 - Literacy Assessment

A study of literacy assessment techniques designed to support the elementary teacher in designing a supportive literacy environment and effective literacy instruction for all students.

Prerequisites: ELEC 332^D and SEFE 200^D and CDEV 248^D and CDEV 342^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 385 - Creativity

An interdisciplinary approach to child-centered teaching through creative instructional materials, drama, music, and a variety of art media.

Prerequisites: SEFE 200 (may be taken concurrently)^D and (SEFE 248 (may be taken concurrently)^D or CDEV 248^D) and (SEFE 342 (may be taken concurrently)^D or CDEV 342^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 397 - Early Childhood Education II

Curriculum, materials, audio-visual and other aids and their implementation in various early childhood learning situations with full articulation of such programs with the primary grades.

Prerequisites: (ELEC 306^D or ELEC 396^D) and CDEV 248^D and SEFE 342^D and SEFE 200^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 327

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 405 - Overview of and Immersion in Global Education

The course focuses on global education and an immersive experience in a mediated field experience abroad. Students will develop awareness and skills needed to teach in a culturally responsive classroom. Educational systems from various countries will be explored with a focus on the country of the mediated field experience.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

Enrollment limited to students with the SPECIAL APPROVAL attribute.

ELEC 407 - Math and Science in Early Childhood Learning

Students will apply theories of child development to the implementation of math and science in the early childhood curriculum. Using a constructivist approach, students will plan and implement activities designed to enhance cognitive development in these areas. Students will become aware of available materials for teaching and assessment.

Prerequisites: (ELEC 327^D or ELEC 278^D) and ELEC 337^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 410 - Culture and Politics of American Education

Public education (Pre-K-12) in the United States is one of the most important civic debates in our society. Everyone has attended school and everyone seems to have an opinion about what counts as a quality education. The problem of how to provide an education to the youth of this country requires thoughtful decisions-informed by scholarly research, multiple viewpoints and ethical perspectives. This course will provide students the opportunity to explore the cultural, political and legal issues facing public education today.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

ELEC 415 - Early Science and Math

Students will apply theories of child development to the implementation of math and science in the early childhood curriculum. Using a constructivist approach, students will plan and implement activities designed to enhance cognitive development in these areas. Students will become aware of available materials for teaching and assessment.

Credits: 4

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

ELEC 420 - Early Childhood Field Experience

Candidates enroll as part of the Professional Block in Early childhood Education. This course involves an in-depth teaching experience in an early childhood setting in which opportunities are provided for the application of content knowledge, pedagogical skills, and the assessment of children's learning.

Prerequisites: ELEC 330^D and ELEC 340^D and ELEC 311^P and ELEC 316^D and (SPED 325^D or SPED 350^D)

^D Requires minimum grade of D.

^P Requires minimum grade of P.

Corequisite(s): ELEC 480

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Graduate or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 427 - Early Intervention

This course will examine atypical development from birth through age eight. Legal rights of children and families will be explored. Student will study the interventions necessary to assist the young child and their families adjust and adapt to development difficulties. A field component is included.

Prerequisites: ELEC 327^D and (ELEC 337^D or ELEC 278^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 437 - Assessment in Early Childhood

This course is an overview of the role of assessment at the preschool and primary grade levels as integral to curriculum and instructional decision-making. Content will focus on informal assessment measures recommended for early childhood classroom teachers. A field experience gives students the opportunity to apply a variety of assessment measures with young children.

Prerequisites: ELEC 427^D and (ELEC 447^D or ELEC 420^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 440 - ECE Curriculum Integration: Theory into Practice

Development and implementation of an integrated program of all content areas across the learning standards Pre-K through Grade 4, through the integration of play-based, experience-based, and project-based teaching. Selection and development of materials and resources based on assessment data that meet the needs of culturally and linguistically diverse learners is stressed.

Prerequisites: ELEC 311^D and ELEC 330^D and ELEC 340^D and ELEC 316^D and SPED 325^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 445 - Administration of Child Care Programs

Students are introduced in a practical manner to the procedures required to organize, license, and administer a child care program (including preschool and elementary aged children). This course involves a field experience of 5 hours.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 450 - Internship: Early Childhood

This course is a supervised off-campus, full-time work experience in a certified Early Childhood Education program. Students attend seminars and complete additional assignments made by supervisors. Open only to Elementary Education: Early Learning and Development students.

Prerequisites: ELEC 447^D or ELEC 420^D

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 455 - Student Teaching: Early Childhood

Under the guidance of a cooperating teacher and university supervisor, candidates engage in teaching assignments on a full-time basis in specified school districts and/or early childhood agencies and attend scheduled seminars. Student teaching requires a partnership between the university and cooperating school districts and agencies. It is considered the culminating experience and the most beneficial teacher preparation course. It is a transition between pre-service and in-service teaching. Must meet all requirements to enroll in student teaching, including, but not limited to, required Praxis exams, grade point average, clearances, required courses and field experiences.

Credits: 1-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 460 - Instructional Strategies for Science and Technology

This course is designed to introduce the teaching techniques and strategies used by science educators to make science teaching, meaningful, motivating, and plausible for PK-4 students. In addition, the most common curriculum units and supplements are introduced, explored, and examined for their appropriateness in the early childhood environment and the relationship to the PDE science standards. Emphasis is placed on how to collect and learn about scientific concepts in order to develop the skills necessary to teach coherent centers and/or lessons and choose instructional techniques that will most effectively help children learn. Lastly, confidence in teaching science is established as participants devise, employ, and assess science lessons presented to peers and young children.

Prerequisites: ELEC 311^D and ELEC 330^D and ELEC 340^D and ELEC 316^D and (SPED 325^D or SPED 350^D)

^D Requires minimum grade of D.

Corequisite(s): ELEC 470

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 470 - Social Studies & Citizenship

Teacher candidates in this course will explore the social studies curriculum, including its organization; analyze methods of teaching, objectives, and materials; discuss evaluation/assessment techniques and citizenship development for PK-4 learners. Study focuses on best practice classroom applications and the relationship between instruction and student learning outcome.

Prerequisites: ELEC 311^D and ELEC 330^D and ELEC 340^D and ELEC 316^D and (SPED 325^D or SPED 350^D)

^D Requires minimum grade of D.

Corequisite(s): SPED 360

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 475 - International Student Teaching: Early Childhood

Under the guidance of a cooperating teacher and university supervisor, candidates engage in teaching assignments on a full-time basis in specified school districts and/or early childhood agencies and attend scheduled seminars. Student teaching requires a partnership between the university and cooperating school districts and agencies. It is considered the culminating experience and the most beneficial teacher preparation course. It is a transition between pre-service and in-service teaching. This course is specially designed for those students participating in the international student teaching experience.

Credits: 1-12

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Sci in Ed degree.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

Enrollment limited to students in the College of Education college.

ELEC 480 - Assessment for Differentiation of Literacy Instruction

This course examines literacy assessment practices to differentiate instruction and improve skills in phonological and phonemic awareness, phonics, vocabulary, comprehension, and written expression. An emphasis is placed on administering assessments, analyzing assessment data, and using the data to develop differentiated plans based on research-based instructional practices.

Prerequisites: ELEC 238^D and ELEC 330^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 460

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

ELEC 490 - Independent Study

A program of independent work conducted by a student who has demonstrated academic proficiency, with prior approval of the student's advisor and departmental chairperson. Prerequisite: Permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ELEC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisites: SEFE 200^D and CDEV 248^D and CDEV 342^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Engineering (ENGR)

ENGR 110 - Introduction to Engineering

The first in a two-semester course sequence aiming to provide students with an introduction to engineering, design process, and tools needed in the engineering professions. This course introduces students to the different disciplines of engineering, professional and ethical aspects of engineering, teamwork, engineering design process and problem solving, and various computer applications.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

ENGR 120 - Engineering Design Tools

This is the second in a two-semester course sequence aiming to provide students with an introduction to engineering, design process, and tools needed in the engineering professions. This course focuses on the design process, introduction to engineering computing tools, engineering graphics using a Computer Aided Design (CAD) software platform, and 3D printing. Students will learn the basic tools and techniques used in engineering design and problem solving.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

ENGR 130 - Engineering Computing Tools

This course provides students with computing skills required in engineering. Course content includes structured programming, engineering problems and open-ended design projects, which are solved in teams with results professionally presented.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

ENGR 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ENGR 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGR 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ENGR 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGR 210 - Statics

Includes the application of equilibrium conditions to structures, trusses, frames and machines, and beams with concentrated and distributed loads.

Prerequisites: PHYS 216^D and MATH 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ENGR 220 - Engineering Materials

This course covers the properties and uses of typical materials used in various engineering professions, their manufacturing processes, and an introduction to mechanical testing methods.

Prerequisite: CHEM 107^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ENGR 230 - Mechanics of Materials

This course provides a review of the basic mechanical properties of the solids with lab. Topics covered will include deformation and failure of solid bodies under the action of forces, stress-strain, Mohr's circle, generalized Hooke's Law, axial bending and buckling.

Prerequisites: ENGR 210^D or PHYS 314^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ENGR 231 - Mechanics of Materials Lab

A laboratory course to accompany ENGR 230 Mechanics of Materials. Laboratory experiments are designed to introduce experimental techniques common to structural engineering, interpretation of experimental data, comparison of measurements to numerical/analytical predictions, and formal, engineering report writing.

Prerequisite: ENGR 230 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

ENGR 240 - Dynamics

Integrates the subject content of kinematics and kinetics that deal respectively with the description of motion of bodies and the causes for their motion.

Prerequisites: PHYS 314^D or ENGR 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ENGR 250 - Circuit Analysis I

This course provides a review of the basic concepts in electrical engineering. Topics covered will include electrical engineering units, circuit elements, circuit laws, measurement principles, mesh and node equations, network theorems, operational amplifier circuits, energy storage elements, sinusoids and phasors, sinusoidal steady state analysis, average and RMS values, complex power.

Prerequisites: PHYS 212^D or PHYS 217^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ENGR 251 - Circuit Analysis Lab

This laboratory class emphasizes practical application of topics covered in ENGR 250. Circuit construction, analysis, and troubleshooting will be covered. Students will build skills in soldering, reading diagrams, and use of multi-meters, function generators, power supplies, and oscilloscopes needed to develop prototypes of electrical systems in later courses.

Prerequisites: PHYS 217^D and (ENGR 250 (may be taken concurrently)^D or ENGR 310^{*D}) (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

ENGR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGR 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ENGR 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGR 301 - Fluid Mechanics

This course provides an overview of fluid statics and dynamics concepts. Topics covered will include fluid statics, laminar and turbulent flow of compressible and incompressible fluids, flow measurements, open channel flow and kinetics of fluids.

Prerequisites: ENGR 210^D and MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 320 - Thermodynamics

This course provides a detailed review of the basic thermodynamic principles. Topics covered will include properties of ideal gases and vapors; first and second laws of thermodynamics; basic gas and vapor cycles; basic refrigeration.

Prerequisite: PHYS 217^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 340 - Engineering Economics

This course covers the concepts of cash flow, cash flow equivalence, cash flow before taxes, depreciation and depletion, cash flows after taxes, profits, evaluation of alternatives, financial statements and multidisciplinary team project.

Prerequisite: MATH 225^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 450 - Internship

Supervised placement and research in selected public and private agencies.

Prerequisite: ENGR 210^D

^D Requires minimum grade of D.

Credits: 3-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Engineering.

ENGR 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGR 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

English (ENGL)

ENGL 101 - Introduction to College Writing

In this course, students will investigate the purposes, both academic and non-academic, for writing and reading. Students will learn to identify meaning and draw inferences from context cues. They will develop increased writing fluency, clarity, and coherence; a fuller understanding of rhetorical principles, including invention, organization, and audience; improved strategies for revising and editing their prose, emphasizing the standards of edited American English; and an understanding of writing and reading as tools for learning and communication. Students should take this course before taking 102 by advisement, by their own choice, or if any one of the following applies to them: if the SAT Verbal score is 399 or less, if the SAT Writing score is 399 or less, or if the ACT Writing score is 11 or less.

Credits: 3

ENGL 102 - Critical Writing

Students will develop an understanding of rhetorical principles, including invention, organization, and audience, along with strategies for revising and editing their prose that emphasize clarity, coherence, and support. They will learn to develop positions on selected issues and questions and compose strongly supported and reasoned arguments regarding those issues and questions. Finally, they will learn basic information literacy skills, which will include how to locate, evaluate, and incorporate a variety of sources into their writing. They will use these to conduct independent research and integrate it into a written essay.

Credits: 3

ENGL 103 - College Writing II

In this course, students will learn to read academic and persuasive discourse in an active, critical manner; develop deliberated positions on selected issues and questions; compose strongly supported and reasoned arguments regarding those issues and questions; acquire information literacy skills, learning efficient and productive strategies for research from both print and online sources; and complete documented essays which effectively integrate source materials into a persuasive whole.

Prerequisite: ENGL 101^C

^C Requires minimum grade of C.

Credits: 3

ENGL 104 - Critical Reading

Students will refine and extend understanding of the rhetorical principles introduced in Critical Writing, applying them through the critical reading and analysis of complex texts. The texts to be considered will be drawn from a variety of media, genres, historical periods and diverse cultures. Students will examine the methods authors use in developing and expressing ideas to meet the needs of particular audiences and historical moments. They will practice extracting implied meanings, analyzing purpose, tone and style, and assessing causal factors and rhetorical effects to critical reading. As a reading, intensive course, English 104 will reinforce and refine compositional skills introduced in Critical Writing.

Prerequisites: ENGL 102^C or ENGL 103^C

^C Requires minimum grade of C.

Credits: 3

ENGL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ENGL 150 - Writing to Discover

An intensive writers' workshop where participants and facilitators work individually and in small groups to fine-tune the craft of their writing. Course may be repeated up to 4 credits.

Credits: 1

ENGL 180 - Society on the Screen

Society on the Screen asks students to examine the question that humanist approaches ask — what is the human experience? — and to explore what answers film might offer. Students will identify and practice historical, philosophical, cultural and literary methods of inquiry and research.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ENGL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ENGL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGL 204 - Composition and Rhetoric

Students will study rhetorical theory and its application in expository and persuasive forms of writing.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^C or ENGL 220^C) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ENGL 205 - Introduction to Professional Writing

This course will introduce students to a variety of documents typically produced by writers in professional workplace. It will build essential skills for communicating with varied audiences with whom one interacts in a professional capacity. Students will develop collaborative skills, learn effective rhetorical strategies for document design, and refine writing for clarity, conciseness, and usage. The concept of organizational communities of practice will be introduced, as well as ethical considerations and responsibilities that accompany professional discourse.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

ENGL 214 - Introduction to Film Analysis

This course surveys contemporary and classic films, and introduces the practices of film analysis.

Prerequisites: ENGL 102^D and ENGL 104^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

ENGL 220 - Introduction to Literary and Cultural Studies

Students will read and write critically about literary texts (written and visual), cultural theory, and avenues of inquiry that theoretical approaches open for interpretation. Students will also learn how to locate and evaluate the resources that literary, historical, philosophical, and cultural studies depend on, and how to use disciplinary-specific methods of presenting and documenting work.

Prerequisites: (ENGL 102^C or ENGL 103^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

ENGL 225 - Introduction to Creative Writing

Introduction to Creative Writing offers students the opportunity to develop their abilities to write poetry, fiction, and creative nonfiction.

Original student work is read and discussed in class and in conferences with the instructor. Reading of classic and contemporary literature supplements the study of one's own writing.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ENGL 230 - Introduction to Linguistics and Grammar

Students will study language structure, including grammar (consisting of phonology, morphology, syntax and semantics) within psycholinguistic and sociohistorical linguistic approaches.

Prerequisites: ENGL 102^C and (ENGL 210^D or ENGL 104^D or ENGL 220^D or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

ENGL 235 - Writing for Non-Print Media

This course gives students the opportunity to explore how to write for non-print text like digital and social media, blogs, and film. Students will examine the use of audience, tone and purpose in these types of communication and its application in classrooms as well as in virtual communities.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

ENGL 238 - Video Games as Literature

Video games have become one of the most popular forms of storytelling. Video games offer players an interactive experience and complex, multi-directional narratives. Furthermore, millions of people play video games every day, experiencing those narratives. This course introduces literary theories for engaging and critiquing narratives. Students then use those theories to analyze and critique the video games they and others play.

Prerequisites: ENGL 102^C and ENGL 104^C

^C Requires minimum grade of C.

Credits: 3

ENGL 242 - African-American Literature

Students will be introduced to literature written by black Americans as it pertains to the American experience.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

ENGL 243 - Literature of the Women's Movement

Students will be introduced to literature written by women authors from various periods who offer multidimensional perspective on the world.

Prerequisite: ENGL 101 and 210 or English Major status.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

ENGL 244 - Native American Literature

Students will be introduced to literature written by Native Americans as it pertains to the American experience.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

ENGL 246 - U.S. Latino/a Literatures

Students will be introduced to literature written in English by Latino Americans as it pertains to the American experience.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

ENGL 248 - Asian Literature

Students will study of such standard works as the Bhagavad-Gita, the writings of Confucius, and the Bible, in addition to contemporary works from India, China, Japan, and additional regions in Asia.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course

ENGL 249 - Life/Lit/Service

Life/Lit/Service will explore selected literary and linguistic concerns- e.g. representations of place, class, ethnicity and/or dialectal variation- through a service learning experience, in this case, an intensive week-long trip/service project at an off-campus location (e.g. San Francisco). This course may be repeated for up to three credits.

Credits: 1

ENGL 260 - Elementary College Latin I

This course introduces students to the Latin language, concentrating on the study of basic forms, grammar, and introductory readings.

Credits: 3

ENGL 261 - Elementary College Latin II

This course provides students further study of the Latin language, concentrating on the study of advanced grammar and more complex readings.

Prerequisite: ENGL 260^D

^D Requires minimum grade of D.

Credits: 3

ENGL 288 - Classic Theatre Tour

The study of classic drama, climaxed by a trip to the Stratford Shakespeare Festival in Ontario, Canada; the Shaw Festival Theater; or other appropriate theaters in Toronto. Offered in the summer. Travel fee required.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

ENGL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ENGL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ENGL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered Fall Terms

ENGL 300 - Queer Literature and Film

Queer Literature and Film is a survey of LGBT+ texts highlighting “queer” as both a term of identity and as a practice of analysis and critique.

Students will read, watch, discuss, and analyze a variety of media produced by and about diverse queer writers, filmmakers, and activists from pre-Stonewall to current creators employing an intersectional understanding of how differences in race, class, and ability also impact experiences of gender and sexuality.

Prerequisites: ENGL 102^D and ENGL 104^D and ENGL 220^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2 or Sophomore 2.

ENGL 305 - Practicum: Teaching Writing

Students will learn to develop, respond to, evaluate, and grade student writing and related tasks. They will also be introduced to concepts important in the tutoring of student writers, as well as introductory theory used in the teaching of writing. Required for certification to teach English in the secondary schools.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the BSED1224 program.

ENGL 307 - Writing About Electronic Media and Film

This course develops writing and theoretical skills in an examination of issues in electronic and digital media studies. Students analyze issues and individual examples relating to such topics as the Internet, texting, television, film, video games, print and visual journalism, media convergence, and mass media economics.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 308 - Advertising Copywriting

Work in the writing and production of advertising copy.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 311 - Chaucer and Medieval Culture

Students will study works by Chaucer and his contemporaries within the context of later medieval culture.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 025^D or ENGL 104^C or ENGL 210^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 312 - Introduction to Shakespeare

Students will study selected comedies, tragedies and histories within their literary and historical contexts.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 314 - European Film

Students will critically analyze films from countries in the European Union with particular emphasis on those with high annual film productivity such as France, United Kingdom, Italy, Spain, and Germany. The emphasis is on contemporary films, with optional contrast to historical trend-setting films.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^C or ENGL 220^C) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 315 - The Cinematic Review: Historical and Critical Writing

This course surveys significant motion pictures with emphasis upon the techniques of film making and film reviewing.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 316 - Asian Film

Students will critically analyze films from India and East Asia, with emphasis is on contemporary films from China and Japan. Also meets requirements for the Asian Studies Minor.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 025^D or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 317 - British Literature I

This course provides a comprehensive study of authors and literary works from the Old English period through Milton.

Prerequisites: (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 318 - British Literature II

This course provides a comprehensive survey of authors and literary works from the Civil War and Restoration through the early 20th century.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D)

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 319 - American Literature I

This course provides a comprehensive survey of American literature from Puritan times through Melville.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 320 - American Literature II

This course provides a comprehensive survey of American literature from Whitman through modern times.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D or ENGL 025^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 327 - Healthcare Writing

Students will develop the advanced literacy and research skills needed for writing successfully in the healthcare field. Working individually and in teams typical of medical practice, students will explore strategies for effective written and spoken interaction with both patients and colleagues. Coursework relies heavily on learning to use medical databases and provide students with the theories and additional tools necessary to translate medical information into presentations for both medical professionals and the general public.

Prerequisite: ENGL 102^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 328 - Young Adult Literature

This course surveys literature for adolescents and young adults and is intended to cultivate book appreciation, improve book knowledge, and provide curriculum enrichment in intermediate, junior and senior high school libraries.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 330 - Literary Publications & Design

This course offers students a deeper understanding of print and production practices for students with critical and creative writing backgrounds. Students will study theories and models - both historical and contemporary - for print design, layout, typography and production environment, while applying such theory to the practice of publishing literary artifacts.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in English, English Literature, Engl Lit-Language & Literature, Engl Lit-Literary&Cult Studies, English Writing, English Writing-Professional or English Writing-Creative.

ENGL 331 - Historical Development of the English Language

Students will examine each historical period to discover the structure of the language, its spelling, vocabulary, syntax, and the influences of social conditions upon it.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 332 - Modern English Grammar and Syntax

This course provides a brief history of the English language and thorough study of traditional and transformational grammar with emphasis on syntax. Differences between prescriptive and descriptive grammar and problems of current usage are also considered.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 334 - Writing Community Stories

The course will prepare students to research and engage local communities as well as write a range of professional writing genres to engage those communities, particularly professional writing narratives. Students will learn research methods for studying their local communities. They will learn to study the community's discourse, collective issues, social norms, and larger narratives. Students will then learn to research, draft, and revise a range of writing genres and narratives that enable the students to engage and/or support their local communities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

ENGL 335 - Writing for Video Games

In this course, students will learn to create the two types of writing essential to contemporary video games: storytelling and technical writing. Students will learn the essential skills of plot, character, and dialogue writing, enabling them to create the stories that players experience in video games. Students will also learn the skills of usability, plain language, and explanation writing, which they will use to create instructions and documentation for video games. By the end of the course, students will have produced a video-game narrative, an introductory setup for a video game, and instructions on how to modify the video game using the platform used to create the game.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

ENGL 336 - Second Language Acquisition

This course acquaints the prospective teacher with theories of second language acquisition (SLA). SLA surveys the processes of acquiring/learning language including the following issues: sound system-phonemic inventory; words-lexicon; semantics; syntax; critical period for second language learning; linguistic creativity, competence and performance.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 338 - Creative Writing: Creative Nonfiction

This writing workshop provides the opportunity for students to develop their abilities in writing creative nonfiction. Original student work is read and discussed in class and in conferences with the instructor. Students will also read and analyze classic and contemporary creative nonfiction. This course may be repeated for up to six credits.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 339 - Creative Writing: Fiction

This writing workshop provides the opportunity for students to develop their abilities in writing fiction. Original student work is read and discussed in class and in conferences with the instructor. Students will also read and analyze classic and contemporary fiction. This course may be repeated for up to six credits.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major') and ENGL 225^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 340 - Creative Writing: Poetry

This writing workshop provides the opportunity for students to develop their abilities in writing poetry. Original student work is read and discussed in class and in conferences with the instructor. Students will also read and classic and contemporary poetry is assigned. This course may be repeated for up to six credits.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major') and ENGL 225^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 346 - Writing the Graphic Novel

This creative writing workshop provides an opportunity for students to develop their abilities in creating graphic novels. Original student work is read and discussed in class as well as critiqued in conference with the instructor. Students will also read and analyze historic and contemporary graphic novels. This course may be repeated for up to six (6) credits.

Prerequisites: ENGL 102^D and (ENGL 104^D or ENGL 220^D) and ENGL 225^D and (ART 105^D or ART 205^D or ART 305^D or ART 106^D or ART 206^D or ART 306^D or ART 107^D or ART 207^D or ART 307^D or ART 108^D or ART 208^D or ART 308^D or ART 114^D or ART 214^D or ART 314^D or ART 213^D or ART 313^D or ART 413^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 349 - Creative Writing:Screenplay

Students enrolled in Creative Writing:Screenplay will learn how to write the Hollywood narrative screenplay. Students will develop a workable story and characters that show growth. They will then write a screenplay and develop a marketing plan to sell it.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major') and ENGL 225^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

ENGL 360 - Latin Language and Literature

This course focuses on classical and medieval Latin verse and prose, with a continuing review of grammar as necessary.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major') and ENGL 260^D and ENGL 261^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 365 - Writing for the World Wide Web

This course examines the structure, form and rhetoric or writing for web environments.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D or minimum score of 1 in 'English Major')

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 389 - Stratford Shakespeare Tour

Students will study of the works and time of Shakespeare in cultural context. The trip concludes with travel to the Stratford Shakespeare Festival in Stratford, Ontario, Canada. Offered in the summer only. Travel fee required.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 402 - World Literature

Students will critically read and analyze selected works by global writers beyond the U.S. and Britain.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 403 - Literary and Cultural Theory

Students will study select literary and cultural theory from Plato to the present day, with application to critical analysis of the literary arts.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 409 - Professional English

ENGL 409 instructs upper-level English majors in the goals, audiences, sources, and methods for professionalization. In this course, students reflect on and define their individual undergraduate experiences and create a personal narrative from their experiences. Students will then identify and define a career field. By the end of the course, students will develop strategies for connecting their individual narrative to their specific desires for possible career fields.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 410 - Literature of the Environment

This course encourages those interested in the rhetoric of science, nature writing, and environmentalism to pose informed questions regarding the language, rhetoric, images, and ideas found in significant poetry and prose, fiction and nonfiction, that concern the environment.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 411 - Science Fiction

Science Fiction situates the genre as a form of critique of the concept of the future. The course provides a literary and historical path for comprehending the genre's evolution. It engages students in cross-disciplinary conversations about scientific and technological advancements that inform narratives as well as establishes how metaphors of the alien drive science fiction's forecasts. The course highlights how science fiction shapes particular ways of seeing and enacts such modes through the study of diverse texts and application of concepts in projects about our future lives.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course
Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

ENGL 429 - Grant and Proposal Writing

Students will review the research and rhetoric associated with writing successful grants and proposals.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 450 - Internship

Students will gain applied writing experience at a venue outside of the classroom.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 480 - Literature Seminar

The seminar focuses on a major author or pair of authors, a single literary genre, or a specific literary period.

Prerequisites: (ENGL 103^C or ENGL 102^C) and (ENGL 210^D or ENGL 104^C or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 490 - Independent Study

A program of supervised independent study. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 491 - Senior Writing Project

Creative or expository writing projects.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ENGL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisites: (ENGL 102^C or ENGL 103^C) and (ENGL 104^C or ENGL 210^D or ENGL 220^D) or minimum score of 1 in 'English Major'

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

English as a Second Language (ESL)

ESL 001 - Start ESL Reading

This course is not for native speakers of English. This is a beginning ESL reading course in which students focus on understanding the meaning of written English by reading a variety of texts. Students develop skills to read and understand English to make a transition from word-by-word translation to reading comprehension.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 002 - Basic ESL Reading

This course is not for native speakers of English. This is a basic ESL reading course in which students read various types of written texts in order to improve reading skills. Topics relate to academic and everyday life. Emphasis is placed on building vocabulary, developing reading strategies and critical thinking skills.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 003 - Intermediate ESL Reading

This course is not for native speakers of English. Students learn to read English as a second language fluently by reading interesting stories with a variety of topics, controlled for proficiency with appropriate difficulty. The course focuses on developing reading skills including pre-reading, skimming and scanning as well as building and developing a working English vocabulary. Students also write responses to the stories they read and share their reflections with their classmates.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 004 - High Intermediate ESL Reading

This course is not for native speakers of English. This course uses a variety of authentic, meaningful and stimulating ESL readings. The course focuses on developing critical reading strategies, skimming and scanning abilities, increasing reading speed, building academic vocabulary power, drawing inferences, previewing, predicting and finding the main idea. Students will build successful reading strategies to comprehend language and concepts presented in college textbooks.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 005 - Advanced ESL Reading

This course is not for native speakers of English. In this course, students read a variety of authentic, meaningful and stimulating texts in order to help students develop critical reading strategies, increase reading speed and build academic vocabulary. The goal of this class is to prepare students with successful ESL reading strategies to comprehend language and concepts that students will encounter in university level textbooks through a variety of disciplines as is required by a liberal studies curriculum.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 011 - Start ESL Listening

This course is not for native speakers of English. This course helps students with basic ESL listening needs in daily life situations. Students develop their listening and speaking skills in order to interact with others. Emphasis is also placed on recognizing different sounds in American English.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 012 - Basic ESL Listening

This course is not for native speakers of English. This course helps students with basic ESL listening needs in daily life and basic academic situations. Focus is on listening comprehension, with students developing their listening and speaking skills in order to interact with others.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 013 - Intermediate ESL Listening I

This course is not for native speakers of English. This course helps students with basic ESL listening needs in daily life and basic academic situations. Focus is on interpersonal communication skills in spoken American English. The course focuses on a variety of listening comprehension skills and strategies in order for students to become more effective listeners in a variety of settings.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 014 - High Intermediate ESL Listening

This course is not for native speakers of English. This course prepares students for the demands of college-level academic listening tasks. The course aims to enhance students' ESL listening skills and to provide strategies and practice for listening to instructors and classmates who use a variety of speech patterns and vocabulary in class lectures and discussion.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 015 - Advanced ESL Listening

This course is not for native speakers of English. This course prepares students for the demands of college-level academic listening tasks. The course aims to enhance students' ESL listening skills and to provide strategies and practice for listening to instructors and classmates who use a variety of speech patterns and vocabulary in class lectures and discussion. Students will practice listening to lectures from a variety of academic disciplines and will analyze the material that they hear. Students will also practice strategies for active participation in lectures and class discussion.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 021 - Start ESL Writing

This course is not for native speakers of English. This course provides basic ESL writing instruction for beginning level English language learners. Students will work on sentence and short-paragraph length writing to express their ideas in English.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 022 - Basic ESL Writing

This course is not for native speakers of English. This course helps ESL students learn how to generate topics and write paragraph length discourse. There is also an emphasis on reading to understand writing styles and organization strategies. Students develop writing fluency by keeping a journal of American English essays throughout the semester.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 023 - Intermediate ESL Writing

This course is not for native speakers of English. This course helps students learn to generate topics and write paragraph length ESL discourse. Sentence structure and writing conventions of academic American English are also explored. Students will study application of vocabulary and grammar skills for writing and practice reading to understand writing better.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 024 - High Intermediate ESL Writing

This course is not for native speakers of English. This course prepares students to write academic papers by exploring elements of academic writing and its process. Students generate topics, write cohesive paragraphs, use organizational strategies and learn to consider audience. Students also explore self-expression and writing identity through ESL journal writing.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 025 - Advanced ESL Writing

This course is not for native speakers of English. In this course, students learn to write for a variety of purposes considering their audience. Lessons include developing appropriate writing styles and applying organizational strategies for different styles of texts. Students practice the writing process and practice prewriting, revision and editing. Students also learn about the U.S. academic expectations of writers, including appropriate citation practices and the importance of avoiding plagiarism. Students also learn strategies to improve their writing through self and peer review.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 031 - Start ESL Speaking

This course is not for native speakers of English. This course emphasizes interpersonal ESL communication at a beginning level. Class meetings center around speaking activities that encourage fluency. Some attention will also be given to cultural considerations, pronunciation and conversation strategies.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 032 - Basic ESL Speaking

This course is not for native speakers of English. This course emphasizes interpersonal ESL communication with some focus on academic speech. Class meetings center around speaking activities that encourage fluency and comprehensibility. The class will help students set realistic goals for their pronunciation practices and learning strategies to improve their comprehensibility and confidence in speaking English.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 033 - Intermediate ESL Speaking

This course is not for native speakers of English. This course is designed to help students develop their own identity as an ESL speaker and user. In this course, students draw on their background knowledge of conversation skills from their primary language while they explore standard conventions in American English. The class will help students set realistic goals for their pronunciation studies and learn strategies to improve their comprehensibility and confidence in speaking English.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 034 - High Intermediate ESL Speaking

This course is not for native speakers of English. This course helps students explore the dynamic of ESL communication between different cultures. It provides students with strategies to communicate with people from different cultures and provides opportunities for students to interact with speakers from different cultural backgrounds. The emphasis of the class is oral communication, but students also learn about nonverbal communication and develop reading and writing skills.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 035 - Advanced ESL Speaking

This course is not for native speakers of English. This course is designed to enhance students' academic language skills to help them be successful in U.S. college courses. Students will learn to participate effectively in a variety of academic situations, such as discussions, lectures, study groups, team-projects and debates. The students will acquire a number of study skills including note-taking, brainstorming, problem-solving and pragmatic strategies for participating in class discussions.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 041 - Introduction to American English Grammar

This course is not for native speakers of English. This course presents the basics of American English grammar with an emphasis on conversational strategies.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 042 - Basic American Grammar

This course is not for native speakers of English. This course presents the basics of American English grammar with an emphasis on the sources from authentic written texts.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 043 - Intermediate American English Grammar

This course is not for native speakers of English. This course is designed to reinforce and refine knowledge of common grammatical structures. Students will increase their familiarity with and use of standard grammatical structures. Emphasis will be placed on grammatical structures common to academic speech and writing.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 044 - High Intermediate American English Grammar

This course is not for native speakers of English. This course is designed to reinforce and refine knowledge of common grammatical structures. Students will increase their familiarity with and use of standard grammatical structures. Emphasis will be placed on grammatical structures common to academic speech and writing.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 045 - Advanced American English Grammar

This course is not for native speakers of English. This course is designed to develop the abilities needed to use a variety of grammatical structures effectively and efficiently. The emphasis is on academic English in oral and written communication.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 051 - Introduction to American Culture

This course is not for native speakers of English. In this course, students learn about U.S. culture and explore resources available in the community of Slippery Rock, PA. students study pragmatic strategies to help them have successful interactions with others in the Slippery Rock community.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 052 - Exploring American Culture I

This course is not for native speakers of English. In this course, students learn about American life on campus and in the town and region. Students will learn to use the resources available at SRU and in Slippery Rock and Pittsburgh area. The aim of the course is to help students adjust more quickly and completely to living and studying in America and at SRU.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 053 - Exploring American Culture II

This course is not for native speakers of English. In this course, students learn about American life on campus and in the town of Slippery Rock and the Pittsburgh region. Students will compare cultural perspectives from around the world. In addition, students will explore academic culture at SRU and learn to use the resources available at SRU.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 054 - Understanding American Culture

This course is not for native speakers of English. In this course, students learn about American life on campus and in the town and region. Students will compare cultural perspectives from around the world. In addition, students will explore academic culture at SRU and learn to use the resources available at SRU. By exploring culture through a variety of activities, both in and outside of the classroom, students develop a repertoire of listening, speaking, reading and writing strategies for effective interactions in the U.S.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 055 - Living in America

This course is not for native speakers of English. This course exposes students to a combination of American history and culture. Students will explore a variety of cultural topics and historical events. A multimedia approach will be used to develop cultural awareness. The class will encourage students to engage in open communication concerning their understandings and assumptions about life in the U.S. Students will participate in group projects in which they present cultural and historical backgrounds about important U.S. events or practices. Students will also explore the implication of U.S. history and culture for university life.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 061 - ESL Tutorial I

This course is not for native speakers of English. This course is a required tutorial. ESL tutoring provides individualized attention for students' language learning needs by pairing them with SRU students for small group instruction and interactions.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 062 - ESL Tutorial II

This course is not for native speakers of English. This course is a required tutorial. ESL tutoring provides individualized attention for students' language learning needs by pairing them with SRU students for small group instruction.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 063 - ESL Tutorial III

This course is not for native speakers of English. This course is a required tutorial. ESL tutoring provides individualized attention for students' language learning needs by pairing them with SRU students for small group instruction.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 064 - ESL Tutorial IV

This course is not for native speakers of English. This course is a required tutorial. ESL tutoring provides individualized attention for students' language learning needs by pairing them with SRU students for small group instruction.

Credits: 0

Term(s) Typically Offered: Offered as Needed

ESL 065 - Independent Seminar

This course is not for native speakers of English. This course is a self-driven, student-oriented academic ESL practice session. In the beginning of a semester, each student meets with the director about their study plan in an American university and the director assigns a semester-long task. In the middle and at the end of a semester, the student must report the progress and the outcome of the study to the director.

Credits: 0

Term(s) Typically Offered: Offered as Needed

Environmental Geoscience (EVGE)

EVGE 100 - Environmental Geology

The course examines problems of mineral, energy and water resources, waste disposal, soils and health, geologic hazards, and land use.

Resources are the common property of all people. Sustainable use of resources is poised by equitable distribution of cost and benefits among diverse peoples.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

EVGE 101 - Physical Geology

Emphasis is placed upon those processes acting to create earth materials, landforms, and structures in and on the earth.

Credits: 3

Term(s) Typically Offered: Offered as Needed

EVGE 110 - Environmental Geology Lab

Complement to EGEO 100; laboratory study of geologic hazards and geologic resources with a focus on local environmental issues. Course may require a weekend field trip.

Prerequisites: (EGEO 100 (may be taken concurrently)^D or EVGE 100 (may be taken concurrently)^D)

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

EVGE 111 - Physical Geology Lab

Complement to EGEO 101; laboratory studies of minerals and rocks illustrate the concepts of EGEO 101.

Prerequisites: (EGEO 101 (may be taken concurrently)^D or EVGE 101 (may be taken concurrently)^D)

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered as Needed

EVGE 121 - Meteorology/Lab

Introduction to principles controlling weather and their effect on people and the environment. Includes lab.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

EVGE 131 - Oceanography

Introduction to the physical, chemical and biological aspects of the marine environment.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

EVGE 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

EVGE 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVGE 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EVGE 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVGE 201 - Earth Materials and Processes/Lab

Overview of the composition and structure of Earth. Introduction to fundamental physical and chemical Earth processes. Identification of rocks and minerals based on observation and study of physical properties. Includes lab.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

EVGE 202 - Earth History/Lab

The evolutionary history of the earth and its life. Two Saturday field trips required.

Prerequisites: (EGEO 201^D or EVGE 201^D)

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

EVGE 203 - Quantitative Methods

Review of mathematical techniques and principles. Training in the application of quantitative methods to the understanding and analysis of geological and environmental problems. Students will apply a variety of mathematical techniques to a range of geological and environmental problems. Emphasis will be placed on practical applications of quantitative methodology and the development and use of spreadsheets to manage, analyze, and present data sets.

Prerequisites: (EGEO 202^D or EVGE 202^D) and (MATH 125^D or MATH 225^D or MATH 230^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

EVGE 221 - Weather and Climate Forecasting

An analysis and use of local and regional computer-collected surface and upper air weather data to forecast weather. A study of past records of climate as clues to future changes. Includes lab.

Prerequisites: (EGEO 121^D or EVGE 121^D)

^D Requires minimum grade of D.

Credits: 3

EVGE 231 - Aerial Photography Interpretation

Introduction to photogrammetry, remote sensing, and interpretation of geologic and cultural imagery.

Prerequisites: (EGEO 101^D or EVGE 101^D) or (EGEO 201^D or EVGE 201^D)

^D Requires minimum grade of D.

Credits: 3

EVGE 251 - Aviation Meteorology

This course is a study of weather conditions commonly encountered in aviation. The subject is treated from the viewpoint of the forecaster and the pilot. Includes lab.

Prerequisites: (EGEO 121^D or EVGE 121^D)

^D Requires minimum grade of D.

Credits: 3

EVGE 271 - Geotechniques: Lab

Training in laboratory techniques and instruments for geological, geophysical and environmental surveys.

Credits: 2

EVGE 272 - Introduction to Georeports/Lab

Training in the grammatical and stylistic conventions of technical writing in environmental, geoscientific and geographical disciplines.

Prerequisite: ENGL 102^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

EVGE 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVGE 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EVGE 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVGE 303 - Paleontology/Lab

An introduction to the fossil record and evolution of life through earth history, including the nature of science, marine and land dwelling organisms and basic theories of evolution and extinction of organisms.

Prerequisites: (EGEO 201^D or EVGE 201^D) and (EGEO 202^D or EVGE 202^D)
^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 323 - Planetary Geology

Systematic study of geological processes that have operated on the planets, natural satellites, and minor bodies in the Solar System. Course will cover solar system formation and evolution, planetary interiors, surficial processes, the structure and history of individual planetary bodies. Quantitative techniques will be used to examine data from current and historic exploration missions.

Prerequisites: (EGEO 202^D or EVGE 202^D) and (EGEO 203^D or EVGE 203^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 327 - Structural Geology

Origin and description of primary and secondary structures of sedimentary, igneous, and metamorphic rocks.

Prerequisites: (EGEO 201^D or EVGE 201^D) and (EGEO 202^D or EVGE 202^D or PNGE 201^D)
^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 328 - Plate Tectonics

Plate tectonics is the study of the motion of the lithosphere and deformation of the earth's crust on a regional scale. The course will evaluate the plate tectonic paradigm in terms of its historical evolution and modern application to understanding earth processes. The course examines a broad range of tectonic phenomena and considers the specific geological and geophysical processes involved. Topics covered include the uplift, deformation and metamorphism of mountain belts, the formation of ocean basins, the subsidence of sedimentary basins, the collision of continents and volcanic arcs, earthquake seismology of plate boundaries, magmatism related to plate processes, and tectonics and landscapes.

Prerequisites: (EGEO 202^D or EVGE 202^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 340 - Air Pollution Meteorology

A study of meteorological parameters of air pollution concentration, dispersion, and removal. Includes air pollution forecasting and modeling.

Prerequisites: (EGEO 121^D or EVGE 121^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 341 - Geomorphology/Lab

A study of landforms, their origin and relation to geologic processes, structure and climate.

Prerequisites: (EGEO 201^D or EVGE 201^D) or GES 150^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 342 - Glacial Geology/Lab

A study of erosional and depositional landforms left by glaciers and their meltwaters. Glacial landforms and soils are examined on maps, air photos and in the field.

Prerequisites: GES 150^D or (EGEO 202^D or EVGE 202^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 351 - Mineralogy/Lab

Systematic crystallography, crystal chemistry, physics, genesis, occurrence, and identification of minerals.

Prerequisites: (EGEO 201^D or EVGE 201^D) and CHEM 108^D and CHEM 112^D
^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 352 - Petrology/Lab

Classification, occurrence, and genesis of igneous, sedimentary and metamorphic rocks. Identification using hand specimens and polarizing microscope (thin sections).

Prerequisites: (EGEO 351^D or EVGE 351^D)

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 353 - Mineralogy and Petrology

Crystal chemistry, genesis, occurrence, and identification of minerals. Classification, occurrence, and genesis of igneous and metamorphic rocks. Identification using hand specimens and polarizing microscope (thin sections).

Prerequisites: (EGEO 201^D or EVGE 201^D) and CHEM 108^D and CHEM 112^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 358 - Introduction to Geophysics/Lab

An introduction to geophysics and geophysical methods and their use in the study of Earth's interior. Emphasis will be placed on illuminating subsurface geological features and applications in fields such as groundwater studies, development of energy resources and environmental studies.

Prerequisites: PHYS 211^C and MATH 225^C and (EGEO 201^C or EVGE 201^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 360 - Introduction to Hydrology/Lab

A study of the occurrence and movement of water and human's effect on this basic resource.

Prerequisites: (EGEO 201^D or EVGE 201^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 362 - Stratigraphy/Lab

Principles of stratigraphy, stratigraphic mapping, and graphic techniques used in stratigraphic interpretation. Two Saturday field trips may be required.

Prerequisites: (EGEO 201^D or EVGE 201^D) and (EGEO 202^D or EVGE 202^D)

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 368 - Women in Science

This course will explore the issues of women in science. Specifically it will address the issues of gender in relation to the theory and practice of science and technology. The course content will use case studies to explore women that have made significant contributions to science despite barriers limiting their access to education and professional organizations. The content will cover topics including how the development of educational systems and professions affected women over the centuries, how scientific approaches have evolved, and how women meet challenges in today's scientific community. The case studies will provide students with the opportunity to analyze and synthesize the information presented into an understanding on the evolution of scientific thought and women's roles in science.

Credits: 3

Term(s) Typically Offered: Offered Winter Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 399 - Field Camp

Field Camp is a final requirement and is usually conducted at a field study location.

Credits: 1-9

Term(s) Typically Offered: Offered as Needed

EVGE 448 - X-ray Spectrometry

Concepts of x-ray production and interaction with crystalline materials. Application of x-ray diffraction methods for identification of minerals, and x-ray fluorescence techniques for chemical analysis. One lecture and one two-hour laboratory per week.

Prerequisites: (EGEO 201^D or EVGE 201^D) and CHEM 107^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 450 - Internship

Supervised placement and research in selected public and private agencies. Permission of chairperson.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 451 - Geochemistry/Lab

Basic thermodynamics applied to the geochemistry of natural systems. The course will focus on low temperature inorganic reactions that are important for the environmental fate and transport of contaminants in the environment. The course will require the use of computer spreadsheets and models to solve geochemical problems covered in lecture. Three hours of lecture and one hour of computer lab.

Prerequisites: (EGEO 201^D or EVGE 201^D) and CHEM 108^D and CHEM 112^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 453 - Geotechniques: Geochemistry

Laboratory and field experiments to study the geochemistry of local environmental systems. Field sampling, in-field and laboratory analysis, and construction of experimental systems will be conducted. Field trips for sample collection will occur weekly.

Prerequisites: (EGEO 451^D or EVGE 451^D)

^D Requires minimum grade of D.

Credits: 1

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 458 - Geophysical Field Methods/Lab

An introduction to seismic field methods and their use in the study of Earth's interior. Emphasis will be placed on the use of seismic methods to characterize subsurface geological features and applications in fields such as groundwater studies, development of energy resources and environmental studies.

Prerequisites: (EGEO 358^D or EVGE 358^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 460 - Hydrogeology

A study of the quantitative and qualitative interrelationships of geologic materials and processes with ground water.

Prerequisites: (EGEO 360^D or EVGE 360^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 469 - Field Investigations in the Geosciences

This course will provide students with the opportunity to practice the nature of fieldwork by observing, interpreting, collecting data and analyzing physical and human landscapes, and the natural, cultural and economic forces that are shaping them.

Credits: 1-3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 476 - Geotechniques: Geophysics

Lab and field techniques.

Prerequisites: (EGEO 460 (may be taken concurrently)^D or EVGE 460 (may be taken concurrently)^D)

^D Requires minimum grade of D.

Corequisite(s): EVGE 327

Credits: 1

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

EVGE 481 - Geologic Map Interpretation

A seminar for advanced undergraduates in whom students and staff participate in map interpretation. One two-hour lab per week. Senior standing or permission of the instructor.

Corequisite(s): EVGE 362

Credits: 1

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

EVGE 482 - Senior Seminar

A seminar for advanced undergraduates in which students and staff participate in discussions concerning classical and current geological problems. Senior standing or permission of the instructor.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 490 - Independent Study

Independent work on a topic in the earth sciences selected by the student with permission and advice of the instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVGE 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Environmental Science (EVSC)

EVSC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

EVSC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVSC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EVSC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVSC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVSC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EVSC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EVSC 311 - Environmental Monitoring and Sampling

The course will focus on the development and implementation of successful sampling plans for water, soil and sediment. Basic sampling and analysis methods will be presented followed by hands-on field exercises employing these techniques. Field notebook documentation and report preparation will be emphasized. At least one field trip will be scheduled for a Saturday during the semester to give students hands-on experience with collection of environmental sample

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Chemistry & Environ Geosci or Biology.

EVSC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 440 - Science, Technology and the Environment

A scientific study of interactions of global systems in the geosphere and biosphere. Selected global problems, such as waste production and disposal, energy use, atmospheric warming, ozone depletion, and acid deposition are analyzed along with possible alternatives. Four courses completed in the natural sciences and mathematics area of the liberal studies program.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 450 - Environmental Science Internship

Academic credit may be earned through a practicum experience, working for an agency or business. A minimum of 16 credits completed in the major and approval of the agency or business, the program director and the advisor.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 480 - Environmental Systems Analysis

The student will investigate an environmental problem in conjunction with an appropriate faculty member as a research project. A minimum of 16 credits completed in the major and the approval of the program director and the advisor.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EVSC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Exercise Science (EXER)

EXER 100 - Introduction to Exercise Science: Careers and Content

This course introduces students to the exercise science discipline and the numerous sub-disciplines of exercise science. Opportunities are provided to identify the various content areas of exercise science, characteristics of exercise science professionals and current trends in the field. Emphasis is placed on career planning and employment opportunities.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Exercise Science.

EXER 101 - Applied Anatomy/Lab

This course focuses on the structure of the human body with emphasis on the musculoskeletal, cardiorespiratory, and nervous systems. The role of the musculoskeletal system in human movement is explored. Laboratory included.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Exercise Science.

EXER 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

EXER 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EXER 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EXER 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EXER 201 - Exercise Physiology with Lab

This course focuses on the physiological bases of exercise with emphasis on the responses and adaptations of the human body to a variety of exercise stimuli. Laboratory included. Grade of C or better is required in this course.

Prerequisites: (ERS 101^C or EXSC 101^C or EXER 101^C) and (ERS 100 (may be taken concurrently)^C or EXSC 100 (may be taken concurrently)^C or EXER 100 (may be taken concurrently)^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Exercise Science.

EXER 202 - Biomechanics with Lab

This course examines human movement using mechanical principles. Human anatomy and basic physics are combined to understand and analyze human movement with specific emphasis on physical activity and exercise. Laboratory included.

Prerequisites: (ERS 101^C or EXSC 101^C or EXER 101^C) and (ERS 100 (may be taken concurrently)^C or EXSC 100 (may be taken concurrently)^C or EXER 100 (may be taken concurrently)^C) and PHYS 201^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Exercise Science.

EXER 204 - Introduction to Esports

Do you like video games? This course will introduce students to the exciting world of competitive video gaming, known as "esports." Topics covered may include history, terminology, games, genres, developers, events, leagues, and venues, with a focus on health and performance implications of esports and esports-related career possibilities.

Credits: 3

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

EXER 230 - Stress Management

This course examines intrapersonal and interpersonal stressors, the effect of stress on the body and the key concepts and theories of stress management. Effective stress evaluations and coping strategies for preventing and managing stress will be integrated. After taking this course, students will be able to demonstrate an understanding of the personal and societal impact of stress management.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

EXER 231 - Group Exercise Instruction

This course provides opportunities for practical skills and instruction in various group exercise activities. Emphasis is placed on physiological principles related to group exercise, as well as choreography, safety and modification for diverse populations. Current group exercise trends and research are explored.

Prerequisites: ERS 201^D or (EXSC 201^D or EXER 201^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

EXER 250 - Medical Terminology

This course is designed to provide the students with a basic understanding of the language of medicine. Emphasis is placed on basic medical word construction and medical language derivation related to health care.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

EXER 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EXER 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

EXER 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

EXER 300 - Research Methods in Exercise Science

This course examines the scientific method and the role of research in developing knowledge in Exercise Science. Students develop skills to become critical consumers of research and other publicly disseminated information. Students design a data collection project using the concepts learned in the class. Grade of C or better is required in this course.

Prerequisites: (ERS 201^C or EXSC 201^C or EXER 201^C) and (ERS 202^C or EXSC 202^C or EXER 202^C) and STAT 152^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 301 - Aerobic Exercise Leadership

This course provides opportunities for the development of practical skills to instruct and lead aerobic exercise. Emphasis is placed on construction of a session utilizing various equipment and modes based upon appropriate physiological theories and biomechanical principles. Safety, effectiveness, intensity monitoring and modifications will be addressed. Grade of C or better is required in this course.

Prerequisites: (ERS 201^C or EXSC 201^C or EXER 201^C) and (ERS 202^C or EXSC 202^C or EXER 202^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 302 - Exercise Leadership: Resistance Training

This course provides both the theoretical knowledge and practical skills to safely and effectively design and implement resistance training programs for health and sports performance. Emphasis is placed on physiological and biomechanical principles associated with resistance exercise techniques. Current trends and research in resistance training are explored. Grade of C or better is required in this course.

Prerequisites: (ERS 201^C or EXSC 201^C or EXER 201^C) and (ERS 202^C or EXSC 202^C or EXER 202^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 304 - Current Issues in Esports Health and Society

This course is designed to critically examine the current issues confronting esports and video gaming within our increasingly digitized global society, including topics relating to health, performance, and the latest trends in the esports industry.

Credits: 3

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 305 - The Truth About Weight Loss

This course provides the opportunity to understand how body weight is lost or gained in a healthy and sustainable way. Students will demonstrate understanding of fraudulent practices and products related to weight loss will be explored. Emphasis is placed on individualized practical approaches to weight management, and students will create behavior change strategies related to a personal weight management plan.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 350 - Advanced Application of Resistance Training

This course is designed to address advanced theories in the application of resistance training. Selected activities will allow for the application of concepts to individuals with specific goals and considerations (e.g. athletes, diseased populations, etc.). Topics of consideration will include the location and analysis of peer-reviewed resources, individualized needs analysis and the selection of muscular fitness assessments, chronic adaptations to long-term resistance training, and long-term client development and periodization.

Prerequisites: ERS 302^C or (EXSC 302^C or EXER 302^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 400 - Wellness Coaching and Program Management

This course examines the concepts of health, wellness and resilience. Emphasis placed on developing wellness coaching skills and the ability to utilize behavior change theories to develop wellness programming for individuals and groups. Fundamentals of business administration, as they relate to wellness programming, are also covered. Grade of C or better is required in this course.

Prerequisites: (ERS 300^C or EXSC 300^C or EXER 300^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C) and (BIOL 216^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 401, EXER 402 and EXER 403

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 401 - Fitness Assessment

This course provides practical experiences in the selection, administration, and interpretation of various health-related fitness tests. Emphasis is placed on proper technique and communication throughout the assessment process. Grade of C or better is required in this course.

Prerequisites: (ERS 300^C or EXSC 300^C or EXER 300^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C) and (BIOL 216^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 400, EXER 402 and EXER 403

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 402 - Exercise Prescription

This course provides the theoretical knowledge and practical skills to design personalized exercise programs that elicit specific physiologic responses and adaptations. Emphasis is placed on prescribing safe and effective individualized cardiorespiratory, musculoskeletal and weight management programs. Grade of C or better is required in this course.

Prerequisites: (ERS 300^C or EXSC 300^C or EXER 300^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C) and (BIOL 216^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 403

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 403 - Advanced Exercise Physiology

This course provides in depth inquiry into the acute responses and long term adaptations of the human body to various types of exercise from the cellular level to the entire system. Emphasis is placed on the physiological demands of exercise and exercising at terrestrial extremes. Laboratory included. Grade of C or better is required in this course.

Prerequisites: (ERS 300^C or EXSC 300^C or EXER 300^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C) and (BIOL 216^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 400, EXER 401 and EXER 402

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Exercise Science.

EXER 410 - Clinical Exercise Physiology

This course examines cardiopulmonary exercise physiology, the pathophysiology of selected cardiovascular and respiratory diseases, cardiopulmonary rehabilitation, electrocardiography and clinical graded exercise testing. The influence of age, sex, culture, and ethnicity on risk factors for, prevalence of, and outcomes associated with selected cardiovascular and respiratory diseases are emphasized. Grade of C or better is required in this course.

Prerequisites: (ERS 400^C or EXSC 400^C or EXER 400^C) and (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C) and (ERS 403^C or EXSC 403^C or EXER 403^C) and (BIOL 217^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 411 and EXER 412

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 411 - Exercise Science: Special Populations and Conditions

This course evaluates the impact of physical activity and exercise on youth, older adults, and individuals with various health conditions and controlled diseases. Changes that occur during growth, development, maturation and the aging process in relation to physical activity/ exercise are examined. Pathophysiology, disease management, medications, exercise testing, and acute responses and chronic adaptations of physical activity/exercise programs for individuals with various health conditions and controlled diseases are identified. Special considerations for health, disease, and physical activity / exercise programming for diverse populations are explored. Grade of C or better is required in this course.

Prerequisites: (ERS 400^C or EXSC 400^C or EXER 400^C) and (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C) and (ERS 403^C or EXSC 403^C or EXER 403^C) and (BIOL 217^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 410 and EXER 412

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 412 - Exercise Science: Senior Synthesis

This course provides the opportunity to synthesize knowledge, skills and abilities in both classroom and supervised practical settings. Emphasis is placed on developing, implementing and evaluating comprehensive exercise programs for diverse clientele. Opportunities to enhance professional and personal development are provided. Valid CPR/AED certification and proof of professional liability insurance required. Grade of C or better is required in this course.

Prerequisites: (ERS 400^C or EXSC 400^C or EXER 400^C) and (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C) and (ERS 403^C or EXSC 403^C or EXER 403^C) and (ERS 424 (may be taken concurrently)^C or EXSC 424 (may be taken concurrently)^C or EXER 424 (may be taken concurrently)^C) and (BIOL 217^C or BIOL 309^C)

^C Requires minimum grade of C.

Corequisite(s): EXER 410 and EXER 411

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 424 - Nutrition and Exercise

This course provides an understanding of the dietary standards that dictate nutritional requirements for apparently healthy adults. Emphasis is placed on the evaluation of an recommendations for macronutrients, micronutrients, and hydration status for health, physical activity, and human performance. Grade of C or better is required in this course.

Prerequisites: (HLTH 314^C or ERS 300^C or EXSC 300^C or EXER 300^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the College of Health Professions college.

EXER 430 - Seminar in Strength and Conditioning

This course analyzes advanced strength and conditioning theory and practice. Topics include musculoskeletal and cardiorespiratory physiology, metabolism and nutrition, acute responses to exercise and chronic adaptations to training, biomechanical concepts, measurement and evaluation, resistance training techniques, exercise prescription, speed development, and plyometric training. In addition, this course prepares students to take the Certified Strength and Conditioning Specialist (CSCS) examination provided by the National Strength and Conditioning Association (NSCA).

Prerequisites: ERS 302^D or (EXSC 302^D or EXER 302^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 431 - Health and Fitness in the Older Adult

This course examines wellness promotion and health fitness programs for the older adult, particularly people age fifty and above. Emphasis is placed upon prevention or delay of chronic diseases or disorders.

Prerequisites: (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 432 - Pediatric Exercise Science

This course examines health, physical activity, and physical fitness status of children and adolescents. Physiological responses to exercise, methodologies for assessing physical fitness and physical activity, and promotion of physical activity are discussed. Current research in various topics related to exercise in children and adolescents are explored.

Prerequisites: (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 434 - Physiology of Aging and Physical Activity

This course examines the physiology of the aging process with emphasis on the effects of physical activity on health and on the degenerative process of aging. Emphasis is placed on the physiological responses to aging that are influenced by physical activity.

Prerequisites: (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 435 - Exercise Programming for Cancer

This course provides a foundation for an integration of knowledge and skills regarding the components of cancer, cancer treatments, and the concepts of rehabilitating cancer patients using exercise interventions. Emphasis is placed on physiological alterations that occur during and following cancer therapy and the effects that exercise has on eliminating or reducing these effects. Opportunities to develop individualized exercise programs for cancer patients will be provided.

Prerequisites: (ERS 201^C or EXSC 201^C or EXER 201^C) and (ERS 301^C or EXSC 301^C or EXER 301^C) and (ERS 302^C or EXSC 302^C or EXER 302^C) and (ERS 402^C or EXSC 402^C or EXER 402^C)

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

EXER 450 - Exercise Science Internship

This course provides the opportunity for students to develop and apply exercise science knowledge, skills, and abilities in a supervised university approved setting. Valid CPR/AED certification and proof of professional liability insurance required. Grade of C or better is required in this course

Prerequisites: (ERS 400^C or EXSC 400^C or EXER 400^C) and (ERS 401^C or EXSC 401^C or EXER 401^C) and (ERS 402^C or EXSC 402^C or EXER 402^C) and (ERS 403^C or EXSC 403^C or EXER 403^C) and (ERS 410^C or EXSC 410^C or EXER 410^C) and (ERS 411^C or EXSC 411^C or EXER 411^C) and (ERS 412^C or EXSC 412^C or EXER 412^C) and (ERS 424^C or EXSC 424^C or EXER 424^C)

^C Requires minimum grade of C.

Credits: 3-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science.

EXER 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

EXER 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Exploratory Studies and Academic Progress (ESAP)

ESAP 101 - FYRST Seminar

The FYRST Seminar provides students with an opportunity to become integrated into the university's community of learners by exploring the purpose and value of higher education, participating in the teaching/learning process, addressing academic and social transition issues, utilizing campus programs, services, and technology, and developing academic skills and learning strategies during the student's first semester at Slippery Rock University. This course is a one credit hour course designed to especially and exclusively assist first year students in their adjustment to college life at Slippery Rock University. No prerequisite. Enrollment by advisement. Open to first year students only. The credit earned in this course counts for graduation requirements.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

ESAP 102 - Learning Strategies

Students will develop effective learning strategies, goals, and decision-making skills with a view toward implementing a plan to remove their probationary status and become a student in "good academic standing. This course is primarily for students on academic probation (other students may enroll with the permission of the instructor). Credits earned count for graduation as an elective.

Credits: 1

Term(s) Typically Offered: Offered as Needed

ESAP 103 - Major and Career Exploration

This course will examine various decision making models as they are applied to choosing an academic major and/or career. Through a variety of in-class and out-of-class activities students will integrate self-knowledge and knowledge about majors and the world of work.

Credits: 1

Term(s) Typically Offered: Offered as Needed

ESAP 109 - Developmental Mathematics

This course covers basic arithmetic skills necessary for successful completion of basic algebra. Topics include basic operations using whole numbers, fractions and decimals, ratios and proportions, percents, and solving equations. Students not exempted from ACSD 109 must successfully complete this course before enrolling in ACSD 110. Students must pass a standard proficiency exam to pass this course. Course grading: A, B, C, or NC. Credit earned in this course will not count toward the university's 120 credit hour minimum required for graduation.

Credits: 3

Term(s) Typically Offered: Offered as Needed

ESAP 110 - Beginning Algebra

An overview of introductory algebra concepts, this course covers topics such as: simplifying variable expressions, solving equations and applications problems, simplifying polynomials, factoring, algebraic fractions, graphing linear equations, solving systems of linear equations, and simplifying radical expressions. Students who are placed into this course are expected to possess certain minimum competencies in arithmetic skills, and they must pass a standard proficiency exam to pass this course. Course grading: A, B, C, or NC. Prerequisite: ACSD 109 or exemption from ACSD 109. Credit earned in this course will not count toward the university's 120 credit hour minimum required for graduation.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

ESAP 111 - Designing Your Life: Building a Life and Career with Meaning and Purpose

What if there were a class to help you explore the bigger issues of finding your way to a career and life you'll love. The Designing Your Life course offers a framework, tools, and a community of peers and mentors where we'll work on these issues through a design thinking approach. All students, regardless of your plans, interests, or goals, can benefit from this constructive, creative, and effective approach to finding and designing your life and vocation.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ESAP 121 - Freshman Research and Mentoring

The FRAME Seminar introduces students to academic research skills. Students will collaborate with faculty mentors, peers and professionals to develop skills in methodologies, analyses and dissemination of scholarly work. The seminar course is intended for second semester freshman.

Prerequisites: INDS 101^D or ESAP 101^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

ESAP 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ESAP 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ESAP 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ESAP 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

ESAP 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Finance (FINA)

FINA 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

FINA 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FINA 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

FINA 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FINA 200 - Personal Financial Planning

All individuals encounter challenging financial decisions. This course will introduce a wide variety of topics, such as cash and debt management, credit rating, insurance policies, housing decisions, taxes, investments, retirement, and estate planning. In addition, students will apply financial planning principles to diverse populations.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

FINA 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FINA 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

FINA 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FINA 303 - Issues in Global Business

This course will focus on fundamental issues in the modern globalization of business. The topics covered will include the cultural environments in which business work, politics and law in global business, economic integration, global trade and investment, global finance, global operations and managing global businesses. A special emphasis will be placed on the challenges and opportunities presented to global businesses by the social, political and economic diversity encountered in the global marketplace.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United Stated in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 304 - Money and Banking

Emphasis is upon monetary policy, how it is implemented, the theories on which it is based, and the implication of this policy on our economy.

Prerequisite: ECON 201^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 318 - Intermediate Statistical Analysis

Statistical analysis encompassing multiple regression and correlation, ANOVA (simple and multivariate), goodness of fit, statistical decision analysis, and advanced forecasting techniques.

Prerequisites: ECON 219^D or MGMT 219^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 320 - Managerial Finance

This course covers fundamental topics in finance including but not limited to time value of money, bond valuation, stock valuation, risk and return, capital asset pricing model, cost of capital, and capital budgeting.

Prerequisite: ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Spring

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 321 - Investments

Introduction to security markets and their operation; investment alternatives; fundamentals of investment analysis.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 322 - Bank Financial Management

Principles of bank financial management including sources and uses of funds and the role of the bank in financial markets.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 323 - Financial Markets and Institutions

Introduction to financial markets and institutions and to their role in financing business, consumers and government.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Spring

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 326 - Intermediate Corporate Finance

This course provides in-depth analysis of topics addressed in corporate finance and covers additional advanced topics including but not limited to real asset valuation, corporate governance, short-term financial management, and mergers and acquisitions.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 329 - Principles of Insurance

A study of the basic principles of insurance and risk. Topics include property and liability insurance; the financial structure and organization of insurance business, and the different fields of insurance.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 340 - Real Estate Investment

The study of the nature and scope of real estate investment, investment decision process and investment strategy, financial and risk analysis, tax implications, institutional real estate investment and real estate investment trust funds.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 341 - Entrepreneurial Finance

Entrepreneurial finance is the application and adaptation of financial tools and techniques to the planning, funding, operation, valuation and harvesting of entrepreneurial ventures.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 409 - Retirement and Estate Planning

In-depth study of the tools and techniques available for use in retirement and estate planning from a personal financial planning perspective. Particular emphasis will be given to retirement cash flow analysis and planning as well as the transfer tax system inherent in estate planning and the methods available for estate management.

Prerequisites: (FIN 321^D or FINA 321^D) and (FIN 329^D or FINA 329^D) and ACCT 308^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 410 - Personal Financial Planning Seminar

Synthesize the topics requisite to expertise in personal financial planning as explored principally through case studies. These topics include risk management, investment, insurance and tax planning, and retirement and estate planning.

Prerequisites: (FIN 321^D or FINA 321^D) and (FIN 329^D or FINA 329^D) and ACCT 308^D and (FIN 409^D or FINA 409^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 420 - Finance Seminar

Capital budgeting, cost of capital, capital structure, working capital management and long-term financing.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 421 - Portfolio Theory

Advanced treatment of investment concepts. In-depth analysis of Modern Portfolio Theory, Capital Asset Pricing Model (CAPM) and its extensions, options, interest options, future markets and precious metals.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 427 - International Financial Management

International monetary systems, sources of funds, import and export financing; taxation of multinational corporations, foreign investment decisions; political risk; risk of foreign exchange losses; management of working capital.

Prerequisites: (FIN 320^D or FINA 320^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 430 - International Banking

Internationalization of U.S. and foreign banks to meet the global financial needs of multi-national activities.

Prerequisites: (FIN 320^D or FINA 320^D) and (FIN 323^D or FINA 323^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 450 - Internship

Supervised placement and research in selected public and private agencies at appropriate institutions. Course listed as 1-12 credits, 3 credits are recommended.

Credits: 1-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 490 - Independent Study

In-depth reading and/or research in an area of particular interest to the student, done with the guidance of a faculty member. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FINA 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

French (FREN)

FREN 101 - French Language and Culture I

This course is the first in a three course series which will provide an introduction to the French language.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

FREN 102 - French Language and Culture II

This course is the second in a three course series which will provide an introduction to the French language.

Prerequisites: minimum score of 15 in 'Placement in FREN102' or FREN 101^D or minimum score of 233 in 'Placement in FREN102'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

FREN 103 - French Language and Culture III

This course is the third in a three course series which will provide an introduction to the French language.

Prerequisites: (minimum score of 25 in 'French - SRU Placement Exam' or minimum score of 25 in 'Placement in FREN103') or FREN 102^D or minimum score of 318 in 'Placement in FREN103'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

FREN 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

FREN 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FREN 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

FREN 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FREN 201 - French Conversation 1

A functional course in speaking and writing French, stressing everyday vocabulary and sentence structure. Some grammar review.

Prerequisites: FREN 103^D or minimum score of 35 in 'Placement in FREN200 level' or minimum score of 386 in 'Placement in FREN200 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

FREN 215 - Topics in French and Francophone Culture

This course provides deeper knowledge of French and Francophone culture by examining selected topics in French and Francophone culture. This course is taught in English.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

FREN 220 - Reading in French

An introduction to reading in French at the intermediate level.

Prerequisites: FREN 103^D or minimum score of 35 in 'Placement in FREN200 level' or minimum score of 386 in 'Placement in FREN200 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

FREN 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FREN 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

FREN 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

FREN 300 - French Grammar and Composition 1

An intermediate grammar review course emphasizing the basic structure of French.

Prerequisites: minimum score of 45 in 'Placement in FREN300 level' or FREN 201^D or FREN 220^D or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 301 - French Conversation 2

Development of French vocabulary and conversation skills through intensive study of selected theme areas.

Prerequisites: FREN 201^D or FREN 220^D or minimum score of 45 in 'Placement in FREN300 level' or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 303 - Professional French

Designed to acquaint the student with formal registers and formulas of communication used in all professional communication in the French-speaking world.

Prerequisites: FREN 220^D or FREN 201^D or minimum score of 45 in 'Placement in FREN300 level' or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 305 - France through the Ages

An advanced course in the study of the development of French civilization from the earliest times to the end of the 19th century.

Prerequisites: FREN 201^D or FREN 220^D or minimum score of 45 in 'Placement in FREN300 level' or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 306 - France and Francophone Identities Today

An exploration of diverse voices, social groups and societies in francophone literatures through works by francophone writers from all over the world. Designed as an introduction to the literatures and cultures of the francophone world, this course considers issues of social status, history, resistance, representation and identity. Taught in French.

Prerequisites: FREN 220^D or FREN 201^D or minimum score of 45 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 315 - French Study Abroad

This course is designed for students who wish to study French/Francophone society firsthand. Students will study the culture, literature, history, art, and other issues concerning the country where the program is offered.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 320 - Main Currents in French Literature

An introduction to the study of French literature through prose, drama and poetry.

Prerequisites: FREN 201^D or FREN 220^D or minimum score of 45 in 'Placement in FREN300 level' or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 330 - French Literature from the 18th Century to the Present

Representative works and literary movements in French literature from the eighteenth century to the present will be studied.

Prerequisites: FREN 201^D or FREN 220^D or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 350 - French Linguistics and Phonetics

An introduction to general linguistics and the practical application of phonetics to the study of French. Analysis and practice of the sound system of the foreign language.

Prerequisites: FREN 201^D or FREN 220^D or minimum score of 45 in 'Placement in FREN300 level' or minimum score of 447 in 'Placement in FREN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 395 - Workshop

Special topics of interest to undergraduates and selected community members. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 400 - French Grammar and Composition 2

An advanced course in the study of French grammar and usage.

Prerequisite: FREN 300^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 401 - French Conversation 3

This course will provide the opportunity for advanced students to improve their aural comprehension and their conversation abilities in French.

Prerequisites: FREN 301^D and FREN 300^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 402 - Eighteenth-Century Novel

A study of the Age of Enlightenment as reflected in the novel.

Prerequisites: FREN 301^D and (FREN 300^D or FREN 303^D or FREN 305^D or FREN 306^D or FREN 320^D or FREN 330^D or FREN 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 403 - Nineteenth-Century French Literature

Readings from the romantic, realistic and naturalistic movements.

Prerequisites: FREN 301^D and (FREN 300^D or FREN 303^D or FREN 305^D or FREN 306^D or FREN 320^D or FREN 330^D or FREN 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 404 - Exploring French Culture through Media

A study of various aspects of modern French literature.

Prerequisites: FREN 301^D and (FREN 300^D or FREN 303^D or FREN 305^D or FREN 306^D or FREN 320^D or FREN 330^D or FREN 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 411 - Literature of the Classical Period

A study of French Classicism, emphasizing the plays of Corneille, Moliere and Racine.

Prerequisites: (FREN 300^D or FREN 303^D or FREN 305^D or FREN 306^D or FREN 320^D or FREN 330^D or FREN 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 430 - French Literature 12th to 17th Century

Representative works and literary movements in French Literature from the 12th through the 17th centuries will be studied.

Prerequisite: FREN 300^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

FREN 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Gender Studies (GNDR)

GNDR 115 - Introduction to Gender Studies

Introduction to Gender Studies is an interdisciplinary course that offers a foundation for an intersectional analyses of gender within the context of systems and structures of power and oppression.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

GNDR 120 - Introduction to the Study of Masculinities

This course proposes to introduce and explore the topic of masculinity as a subject for critical study. In the course, students will read about and discuss how masculinities are constructed, presented and reproduced in media and popular culture. This course is meant for and open to everyone interested in taking a critical approach to the study of gender in societies, with specific focus on how (especially american) masculinities shape and are shaped by identity, culture, media, war, politics and economics.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Thematic Thread(s): Transfer Thread Completion Course

GNDR 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

GNDR 180 - Gender and Social Justice

This course focuses broadly on issues of social justice related to gender, as defined in the humanities, to analyze and deconstruct the history, politics, institutional structures, and cultural influences involved in the production of gender as a social justice concern. Each section of this course will focus on several selected topics related to social justice that intersect with issues of gender.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

GNDR 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GNDR 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

GNDR 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GNDR 280 - Introduction to Disability Studies

An introduction to the field of Disability Studies, which rejects medical paradigms and instead analyzes disability as a social, cultural and ideological phenomenon, with an intersectional and interdisciplinary focus on gender, race and socioeconomic status.

Credits: 3

GNDR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GNDR 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

GNDR 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GNDR 340 - Applied Queer Studies

An introduction to the field of queer studies with an applied focus (on gender, race, disability, age, ethnicity, transactional issues) in an intersectional and interdisciplinary context. The course analyzes the historical, cultural, political and discursive production of LGBTQAI+ identities, heteronormativity as a form of control, and LGBTQAI+ activism and advocacy.

Prerequisite: GNDR 115^C

^C Requires minimum grade of C.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

GNDR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 400 - Gender Studies and Porn Culture

Integrating feminist, sociological, media, marketing, neurological, and philosophical perspectives, the course analyzes the social implications of porn consumption, porn production and methods of porn distribution, including technological developments (for example, 3D software development and the use of artificial intelligence in sex dolls). While gender organizes the analytic approaches of the course, it considers other embodied and intersectional identities as well.

Prerequisite: GNDR 115^C

^C Requires minimum grade of C.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

GNDR 415 - Feminist Perspectives in the Disciplines

This course will explore feminist approaches to pedagogy and research in the humanities, social sciences, and natural sciences, highlighting how such approaches reshape and redirect the ways knowledge is constructed as well as the attendant, transformed results.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 450 - Gender Studies Internship

Professional experiences, such as working with the Girl Scouts or state National Organization for Women (NOW), or working in a women's center or abuse/sexual assault center, that will allow students to either apply or function within a feminist framework to understand the complexity of women's lives and contribute to women's opportunities.

Credits: 1-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GNDR 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Geography/Environmental Studies (GES)

GES 105 - World Regional Geography

This course provides an introduction to the regional concept, classification of major culture regions throughout the world and a description of the physiocultural character of those regions.

Credits: 3

Term(s) Typically Offered: Offered as Needed

GES 115 - Introduction to Geospatial Technologies

Provides fundamental concepts and basic skills regarding map use and interpretation. Overview of major geospatial technologies, including geographic information systems, global positioning systems, spatial visualization, and remote sensing.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

GES 135 - Introduction to Environmental Problems

An introduction to some of the more crucial environmental problems and alternative solutions that are available.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

GES 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

GES 150 - The Natural Environment

An introduction to interrelationships among the physical elements of the environment, including the study of vegetation, soils and landforms.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Environmental Studies or Geography.

GES 170 - Discover Geography

An inquiry course that examines why people live differently in different parts of the world, with respect to political and economic systems, culture, demographics, and relationships with the natural world. This course introduces students to topics and methods of human geography, and enables students to apply them to addressing important global, regional, and local social issues.

Credits: 3

Term(s) Typically Offered: Offered Every Term

GES 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GES 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

GES 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GES 201 - Latin America and the Caribbean

Consideration is given to physical, historical, cultural, political, and economic patterns in Latin America and the Caribbean.

Credits: 3

Term(s) Typically Offered: Offered as Needed

GES 202 - United States and Canada

An introductory course that surveys the patterns, connections, and evolution of environments, cultures, and economies of the U.S. and Canada.

Credits: 3

Term(s) Typically Offered: Offered as Needed

GES 204 - Post-Soviet Union

Study of the Soviet Union and Soviet-bloc nations with emphasis on economic, physical, political, and cultural aspects.

Credits: 3

Term(s) Typically Offered: Offered as Needed

GES 205 - Cultural Geography

This course serves as an introduction to human, social and cultural geography. Course content will cover cultural landscapes and place identity, discourses and cultural interpretation of the environment, the cultural and spatial impacts of demographic and economic changes, and cultural contestation over space and place.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

GES 215 - Planning for Sustainable Communities

An introduction to social and physical planning for rural areas, towns and cities.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

GES 220 - General Methods of Fieldwork

A survey of how field research is done in geography, including designing a research question, data collection techniques, and qualitative and quantitative data analysis.

Prerequisite: GES 115 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

GES 235 - Conservation

An examination of the earth's complex resource base which places special emphasis on the geographic location of resources and on conservation/preservation practices.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course

GES 242 - Geography of Religion

The distribution and arrangement of world religions, giving consideration to the comparative influence of religion on the cultural landscape and on regional development.

Credits: 3

GES 245 - Population and Resources

Basic demographic principles and their relationship to regional development.

Credits: 3

GES 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GES 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

GES 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GES 301 - Geography of Rural Areas

Analyzes the structure and primary functional patterns of rural areas, with an emphasis on agricultural and industrial land use, problems of rural development, and population shifts.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 303 - Asia

A survey of the major regions of Asia emphasizing their physical, cultural, and political characteristics. Several countries are selected for special emphasis.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 305 - Environmental Economic Geography

Environmental economic geography takes a geographical approach to the interface between nature and the economy, with an emphasis on patterns and trends in environmental services and resource management.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 307 - Australia

This course will introduce students to the environments and peoples of Australia. Australia's natural environment, Aboriginal and white culture, economy, politics, and major current public issues will be covered.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 308 - Europe

The evolution of nations, the cultural landscape, and the spatial-economic organization of Europe.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 309 - Africa

This course surveys the patterns, connections, and evolution of environments, cultures, nations, and economies of Africa, with an emphasis on maps, regions, and images.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 310 - Urban Geography

The course is designed to provide insights into the nature of cities and smaller urban places.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 315 - Cartography I

Basic elements of computer-assisted thematic map design are discussed. Cartographic projects serve as a means of applying major concepts such as map projections, data classification, color theory, and qualitative/quantitative symbology. Includes a lab.

Prerequisite: GES 115^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 321 - Introduction to UAS for Remote Sensing and Monitoring

This course introduces students to Unmanned Aerial Systems and their use in acquisition of remotely sensed data. Course content will cover topics necessary for students to sit for the FAA Part 107 Commercial Remote Pilot Certification examination. Students will also be introduced to basic concepts of remote sensing and aerial imaging, UAS mission planning and spatial data processing.

Prerequisite: GES 115^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

GES 324 - Environmental Law and Policy

The study of political control of the environment. Focus on the roles played by individuals and groups. Cross-listed with POLS 324.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 325 - Introduction to Geographic Information Science

This course introduces students to integrated computer tools for the capture, storage, manipulation, analysis, and printout of earth-referenced data. Computers are used to store maps, analyze maps, and produce new maps along with their attributes to address societal issues. Includes a lab.

Prerequisite: GES 115^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

GES 330 - Political Geography

The effects of politics on geography and the effects of geographic factors on politics.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 331 - Economic Geography

Examines human use and economic organization of the earth.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 344 - Environmental Justice

This course will teach students to evaluate situations as just or unjust according to well-understood principles of environmental justice. Students will apply this analysis to important environmental justice topics such as unequal distribution of environmental harms and resources, treatment of indigenous people, animal and ecosystem rights and international environmental negotiations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 345 - Population Analysis

A study of the techniques of population analysis with respect to growth, distribution, fertility, migration, and other demographic characteristics. Some background in algebra or statistics.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 355 - Earth's Changing Climate

This course examines the interrelationship between climate and human activities. We will study the processes that control Earth's climate with a focus on the flow of energy through the Earth system and a study of the interactions between the atmosphere, the ocean, and the land surface. We will investigate climate change on variable time scales with a focus on how climate affects humans and the environment. Further, we will examine which factors influence society's decisions in response to climate change.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 356 - Earth's Changing Climate Laboratory

This course examines Earth's climate changes through an investigation of climate data and climate models. We will investigate climate change on variable time scales and in different geographic regions with a quantitative focus.

Prerequisite: GES 355 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Chemistry & Environ Geosci.

GES 361 - Gender and the Environment

Gender and the Environment will explore the ways that human interaction with the natural environment is shaped by gender roles and gender inequality in cultures around the world. Topics covered will include gender differences in resource access, connections between environmental degradation and women's oppression, cultural metaphors that link nature and gender (e.g. "mother earth") and the way that gender shapes environmental movements.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 362 - Applications in Sustainability

This course explores the history of the sustainability movement, and the current and emerging science and practices of sustainability. Students will also be introduced to the research tools and methods needed to evaluate the sustainability of energy systems, technology, the built environment and environmental regulations and policy.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 363 - Energy and Society

Students will develop a working knowledge of energy technologies and policies, and their impacts on both the environment and society. Discussions and case studies will include analysis of current and emerging energy sources and consumption.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 375 - Geography of Intolerance

Analyzes cross-culturally the impact on resource allocation and the spatial implications of gender, racial, religious, political and class discrimination.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 410 - Remote Sensing

Covers the electromagnetic and thermal properties of earth objects, principles and operations of sensors, and the practical applications of remote sensing. Lectures will be supplemented with exercises requiring computer processing of satellite data.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 415 - Cartography II

Advanced issues and theory of cartographic design are discussed. Cartographic applications include flow maps, bivariate statistical mapping, cartograms, interactive maps, and map animation. Includes a lab.

Prerequisite: GES 315^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 420 - Historical Geography of Anglo-America

A study of settlement patterns, land utilization, and sequent occupancies for selected periods since 1500. A student is expected to have background in geography and American history.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 425 - Advanced Geographic Information Systems

This course investigates and applies advanced Geographic Information Systems (GIS) techniques. Students will learn current techniques for the collection, evaluation, input, analysis, and output of spatial data with various GIS tools. Students will apply these techniques to real world problems in areas such as environmental monitoring, environmental modeling, urban planning, and economic location. Includes a lab.

Prerequisites: (GES 325^D or GES 410^D) and GES 315^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 426 - Environmental Modeling

Environmental models quantify processes such as runoff generation, water pollution, erosion, landscape change, and change of biodiversity. In this course, these models will be applied to real-world examples. Includes a lab.

Prerequisite: GES 325^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 435 - Preservation Planning

A study of the American preservation movement as it relates to features of the cultural landscape. The origin and diffusion of building styles and the methods and problems associated with their preservation are emphasized.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 444 - World Environmental Cultures

Students will explore and evaluate geographic and environmental ideas from western and non-western cultures.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 445 - Regional Planning

Deals with planning for the future of regions that are larger than any single local government. Consideration is given to economic development, land use, transportation, and other regional planning concerns. Cross-listed with PUBA 445.

Prerequisites: GES 215^D or PUBA 215^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 450 - Internship

Supervised placement and field experience in a selected public or private agency.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 469 - Field Investigations in the Geosciences

This course will provide students with the opportunity to practice the nature of fieldwork by observing, interpreting, collecting data and analyzing physical and human landscapes, and the natural, cultural and economic forces that are shaping them.

Credits: 1-3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 489 - Applied Geospatial Technologies

This course involves the application of geospatial technologies in humanities, social sciences, and natural and environmental sciences.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 490 - Independent Study

In-depth reading and/or research with the guidance of a faculty member in an area selected by the student. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GES 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GES 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

German (GERM)

GERM 101 - German Language and Culture I

This course is the first in a three course series which will provide an introduction to the German language.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

GERM 102 - German Language and Culture II

This course is the second in a three course series which will provide an introduction to the German language.

Prerequisites: (minimum score of 11 in 'Placement in GERM102' or minimum score of 21 in 'Placement in GERM103') or GERM 101^D or minimum score of 264 in 'Placement in GERM102'

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

GERM 103 - German Language and Culture III

This course is a third in a three course series which will provide an introduction to the German language.

Prerequisites: minimum score of 21 in 'Placement in GERM103' or GERM 102^D or minimum score of 343 in 'Placement in GERM103'

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

GERM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

GERM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

GERM 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

GERM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

GERM 201 - Communication in German

A functional course in speaking and writing German, stressing everyday vocabulary and sentence structure.

Prerequisites: GERM 103^D or minimum score of 31 in 'Placement in GERM200 level' or (GERM 101^D and GERM 102^D and GERM 103^D)

^D Requires minimum grade of D.

Credits: 3

GERM 210 - German Literature in Translation

A study of representative German literary works, emphasizing the persons and ideas which have influenced German foreign literatures. The course will be given in English; no knowledge of German required. For non majors.

Credits: 3

GERM 220 - Reading in German

An introduction reading in German at the intermediate level.

Prerequisites: GERM 103^D or minimum score of 35 in 'Placement in GERM200 level' or minimum score of 425 in 'Placement in GERM200 level'

^D Requires minimum grade of D.

Credits: 3

GERM 255 - German Civilization I

Course taught by Clarion University of PA faculty via ITV

Credits: 3

GERM 257 - German Immersion

This course, offered in Germany, introduces students first-hand to German culture, including aspects of everyday life in Germany. Course facilitates understanding of Germany's history and civilization through study of important monuments and urban design.

Prerequisites: GERM 103^D or minimum score of 35 in 'Placement in GERM200 level'

^D Requires minimum grade of D.

Credits: 3

GERM 260 - German Short Story

Course taught by Clarion University of PA faculty via ITV

Credits: 3

GERM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

GERM 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

GERM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

GERM 300 - German Grammar Review

An intermediate grammar review course, emphasizing the basic structures of German.

Prerequisites: GERM 201^D or GERM 220^D or minimum score of 41 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 303 - Business German

A study of the German language as related to business and commerce. A consideration of the form and language of the business letter in German.

Prerequisites: GERM 201^D or GERM 220^D or minimum score of 45 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 305 - German Civilization

A study of the development of German civilization from its earliest beginnings to its modern times. Course is for majors and non-majors.

Prerequisites: GERM 201^D or GERM 220^D or minimum score of 45 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 306 - Modern German Civilization

A study of the civilization of German-speaking areas in the twentieth century.

Prerequisites: GERM 220^D or GERM 201^D or minimum score of 45 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 307 - German Conversation and Composition 1

Course developing student abilities in listening, speaking and writing German. Emphasis is on discussions of student compositions on a variety of issues relating to modern Germany.

Prerequisites: GERM 220^D or minimum score of 45 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 308 - German Conversation and Composition 2

Course developing student abilities in listening, speaking and writing German. Emphasis is on discussions of student compositions on a variety of issues relating to modern German.

Prerequisite: GERM 307^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 320 - Main Currents in German Literature

An introduction to the study of German literature through prose, drama, and poetry.

Prerequisites: GERM 201^D or GERM 220^D or minimum score of 45 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 350 - German Linguistics and Phonetics

An introduction to general linguistics and the practical application of linguistics to the study of German, Analysis and practice of the sound system of the foreign language.

Prerequisites: GERM 201^D or GERM 220^D or minimum score of 45 in 'Placement in GERM300 level' or minimum score of 512 in 'Placement in GERM300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 400 - Advanced Grammar

An advanced course in the study of German grammar and usage.

Prerequisite: GERM 300^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 411 - Contemporary German Literature

A study of the outstanding authors writing in German in the twentieth century.

Prerequisites: GERM 300^D and (GERM 303^D or GERM 305^D or GERM 306^D or GERM 307^D or GERM 308^D or GERM 320^D or GERM 350^D)

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 490 - Independent Study

Students have the opportunity to study selected areas in greater concentration. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Gerontology (GERT)

GERT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

GERT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GERT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

GERT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

GERT 265 - Aging and the Older Person

Introduction to the interdisciplinary study of gerontology as a social, behavioral and biological science. A prerequisite to courses in gerontology and aging. Women and Aging examines the effects of women growing older in a changing society. Social, psychological, physical, economic, cultural, and political implications will be discussed, including health concerns, changing roles, and discrimination.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course
Students with a semester level of Freshman 1 may **not** enroll.

GERT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

GERT 295 - Workbook

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

GERT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

GERT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERT 414 - Death and Dying

This course is an introduction to the study of death, dying and bereavement which utilizes a multidisciplinary approach. This course is aimed at sensitizing students to the subject of dying, death and bereavement, aiding students in adjusting to the death of a significant other, helping students examine their feeling and reactions to death and grieving and introducing students to diverse perspectives.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

GERT 425 - Women and Aging

Examines the effects of women growing older in a changing society. Social, psychological, physical, economic, cultural, and political implications will be discussed, including health concerns, changing roles, and discrimination.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

GERT 450 - Gerontology Internship

Individually designed experiential learning intended to provide the student with an opportunity for observation and participation in a wide range of gerontological activities in an approved institution or agency setting.

Credits: 3-12

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Sophomore 1 or Sophomore 2 may **not** enroll.

GERT 465 - Seminar in Gerontology

An interdisciplinary investigation of selected facets of gerontology. Course content is drawn from the biological, behavioral, and social sciences, and it will include a consideration of current issues in such areas as mental health, housing, economics, transportation, preventive health program, long-term care, and leisure work activities.

Prerequisites: (GERO 265^D or GERT 265^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

GERT 490 - Independent Study

A rigorous investigation of a topic of relevance to gerontology not covered in detail in existing courses. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

GERT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

GERT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Health Care Administration & Management (HCAM)

HCAM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HCAM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 195 - Health Care Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format and on a timely topic.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HCAM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 200 - Introduction to Population Health

Introduction to Population Health examines the social determinants of health, diverse population groups' interface with a continuum of healthcare services, and fundamental issues of health equity. This course will focus on how population health is a function of multiple interconnected healthcare system participants.

Credits: 3

HCAM 230 - US Healthcare Systems

This course offers an overview of the U.S. healthcare delivery system and challenges that confront the industry. It examines legal, technological, economic, political, ethical, and social forces that impact the healthcare industry. Students will learn about the delivery of healthcare services in various settings, as well as the role of government, professional agencies, and other industry related organizations. The allocation of scarce healthcare resources is examined through the lenses of social awareness, civic responsibility, and quasi-market forces. This course also equips students to become informed healthcare consumers and introduces them to healthcare employment opportunities.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms, Offered Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

HCAM 250 - Medical Terminology for Healthcare Administrators

This course is designed to provide students with a basic understanding of medical language. Emphasis is placed on basic medical word construction and language derivation related to health care.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

HCAM 265 - Introduction to Insurance and Managed Care

This course examines Managed Care Organizations, insurance plans, Consumer Directed Health Care plans, and Health Care Exchanges. Students will explore the influence of managed health care and the various forms of health care insurance on the organization and delivery of health services in the United States are explored.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

HCAM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 295 - Health Care Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format and on a timely topic.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HCAM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 300 - Healthcare Systems: Global Perspectives and Analysis

This course examines health care systems from other countries in contrast to the United States system of health care. Students will be introduced to larger global perspectives about healthcare systems. Comparisons of healthcare systems' infrastructures, finance systems, level of government involvement, and key metrics of health outcomes will be discussed along with the interconnected socio-political issues across diverse populations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 305 - Fundamentals of Healthcare Quality and Safety

This course examines a systems approach to continuous improvement processes in healthcare settings. Quality and process concepts and theories examined in this course are guided by data and processes at the unit and organization levels that reach beyond regulatory and accreditation compliance.

Prerequisites: HCAM 230^D and HCAM 265^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 332 - US Health Care Policy

This course provides an overview of US health care policy in the postwar period. The course will examine the problems of health care costs, access, and quality in depth, consider alternative approaches to health care reform and use a comparative method to examine the health policies of other advanced industrialized countries. In addition, the course aims to introduce students to health policy analysis as an applied social science discipline.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 335 - Current Topics in Health Care

This course examines current topics in healthcare from the interests of various constituencies and organizations. It is designed to introduce students to the identification and study of current economic, regulatory, operational issues, and emerging trends impacting the healthcare industry. Matters of healthcare policy, healthcare reform, current clinical and non-clinical healthcare developments, policy process, and advocacy will also be examined.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 360 - Healthcare Organizational Dynamics

This course introduces concepts associated with organizational dynamics in the healthcare industry. Students will examine content from individual, team, and organizational perspectives. Organizational dynamics are examined to provide a better understanding of how to deliver value within a competitive and changing healthcare industry.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms, Offered Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 375 - Ethics & Legal Fundamentals for the Health Professions

This course connects theoretical foundations of ethics with practical legal issues facing health care leaders. The course will define the role of the health care provider, payer, consumers, delivery systems, and regulatory bodies in addressing challenges presented by health care law and ethics.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 385 - Insurance and Cost Containment

This course expands students' understanding of content from HCAM 265, Introduction to Insurance and Managed Care. Students will explore foundational concepts of insurance and dynamic interrelationships associated with supply and demand-side controls, cost structures, cost containment, adverse selection, moral hazard, and related policies. Non-health insurance programs, underwriting, and claims management will also be introduced.

Prerequisites: HCAM 230^C and HCAM 265^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms, Offered Summer Terms
Odd

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HCAM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 395 - Health Care Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format and on a timely topic.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HCAM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 400 - Legal Environment of Healthcare

Legal Environment of Healthcare acquaints future healthcare managers with legal issues relating to government, patients, healthcare employees, and contractors. This course surveys a wide variety of legal concepts, terms, and common-sense tips for entry-level healthcare organization employees.

Prerequisites: HCAM 230^C and (HCAM 275^C or HCAM 375^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even, Offered Spring Terms, Offered Winter Terms Odd

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HCAM 410 - Strategic Leadership in Health Care Organizations

This course will examine leadership principles necessary to be effective in a continuously changing health care industry. Concepts covered include cultural competency, patient and family centered care, community outreach, coalition building, teamwork effectiveness, and leading within an environment of change in the US health care system.

Prerequisites: HCAM 230^D and (HCAM 360^D or MGMT 351^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HCAM 415 - Marketing for Health Care Organizations

This course covers the application of marketing concepts, tools and techniques to marketing problems, emphasizing strategic thinking, and analysis in a healthcare environment. Students will gain perspective on how a healthcare marketing function links to the overall business system.

Prerequisites: MRKT 230^D or MKTG 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 425 - Long Term Care Management

This course will examine long-term care organizations and care in the United States. Students examine external and internal long-term environments, the organization and delivery of services, administration, management, and leadership of long-term care organizations.

Prerequisites: HCAM 230^D and (HCAM 360^D or MGMT 351^D) and HCAM 265^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HCAM 430 - Finance for Healthcare Organizations

This course is designed to build on accounting and financial management strategies used in profit and not-for-profit healthcare organizations. It will expose students to the practical application and theoretical constructs necessary to manage finances in a variety of healthcare organizations.

Prerequisites: HCAM 230^D and ACCT 209^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 450 - Internship-Health Care Administration & Management

This internship provides students with an opportunity to apply theory to practice and develop competencies through a work-related experience in a profit, or not-for-profit, healthcare related organization.

Prerequisites: HCAM 230^D and HCAM 360^D and HCAM 265^D and HCAM 400^{*D} and (HCAM 405 (may be taken concurrently)^D or HCAM 305^{*D}) (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered Summer & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 470 - Healthcare Practice Management

This course will prepare students with the fundamental knowledge needed to manage various types of healthcare practices. This includes topics such as differentiating between types of medical practices; accreditation, credentialing and licensing; regulatory compliance, compensation, productivity and provider contracting; billing & the lifecycle of a claim; patient experience & referral analysis; quality & utilization management; coordination of care; and innovation in care, payment and organizational models.

Prerequisite: HCAM 360^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HCAM 480 - Healthcare Value-Based Reimbursement and Process Improvement

This course details drivers of value in health care and identifies major challenges to value-based care. Students will examine and apply various healthcare value-based reimbursement programs and leadership strategies to improve quality and reduce costs in health care.

Prerequisites: HCAM 305^C or HCAM 405^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

HCAM 490 - Independent Study

In-depth reading and/or research with the guidance of a faculty member in an area selected by the student. Prerequisites: 12 credits in major courses, application and permission of the instructor, departmental chairperson and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HCAM 495 - Health Care Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format and on a timely basis.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HCAM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: HCAM 230^D

^D Requires minimum grade of D.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HCAM 499 - Health Care Theory and Research Capstone Seminar

This course examines health care theories that focus on the key concepts of individual and population health, access to health care, cost of health care, quality of health care, and health care organization structures and processes. Students will research areas of interest based on these theoretical concepts.

Prerequisites: HCAM 230^D and HCAM 360^D and HCAM 400^{*D} and (HCAM 405 (may be taken concurrently)^D or HCAM 305^{*D}) (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Health Science-Public Health (HLTH)

HLTH 100 - Introduction to Health Careers

Provides students with an understanding of various career opportunities in health and safety occupations and the opportunity to determine whether their needs, interests, abilities, and values are suited to careers in this area.

Credits: 3

HLTH 101 - Personal Health

Addresses concerns pertaining to college living and life-long health. Emphasizes wellness with its emotional, physical, and social components.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

HLTH 102 - Health Appraisal and Promotion

Discusses the role of wellness in health promotion. Identifies major health risks and examines primary prevention strategies utilizing select health appraisal instruments for the promotion of optimal individual and community health. Exposes students to agencies, which serve as resources for health information.

Credits: 3

HLTH 103 - Health and Behavior Change

Examines the major health problems and health risks to determine feasible secondary and tertiary intervention strategies to maintain, promote and manage the highest possible level of individual and community health. Explores behaviors and circumstances that are barriers to seeking and/or adhering to medical advice.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 104 - Introduction to Public Health

Provides a broad foundation of information related to the structure and functioning of the community health system including the identification and examination of programs, providers, and current problems associated with the delivery of health services.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

HLTH 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HLTH 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HLTH 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HLTH 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HLTH 203 - Public Health and Physical Activity

This course will focus on introducing public health students to the benefits of physical activity (PA), how to safely engage in PA and how to apply PA to the public health model.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Public Health or Health Science - Public Health.

HLTH 204 - Public Health Education and Communication

Examines the knowledge and skills necessary to function effectively as a community, school, or worksite health educator. Emphasizes the responsibilities and competencies of the Certified Health Education Specialist.

Prerequisites: HLTH 103^D and (HLTH 104^D or HLTH 210^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 209 - Foundations of Disease in Public Health

Provides a broad foundation of information related to the etiology, pathophysiological mechanisms, signs and symptoms, outcomes and current therapies for selected communicable, genetic, and chronic diseases.

Prerequisites: BIOL 216^D or BIOL 209^D or BIOL 110^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 211 - Women's Health Issues

Examines the role of women as consumers and as both formal and informal providers of health services.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

HLTH 262 - Health Foundations

Identifies and examines the major health problems at the individual and community level. Emphasizes health information and resources that can be used to deliver developmentally appropriate primary, secondary and tertiary education and/or interventions among diverse populations.

Credits: 3

Enrollment is limited to students with a program in Exploratory Physical Educ, School Wellness Education, Health-Physical Educ Teaching, Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HLTH 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HLTH 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HLTH 310 - Environmental Health

Explores the ecologic, economic, ethical, toxicologic and epidemiologic bases for environmental health both globally and within the community setting. Emphasizes the relationship between biological, physical and chemical agents and disease/injury causation and the role of government.

Prerequisites: CHEM 104^D or CHEM 107^D or BIOL 210^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 313 - Biostatistics

Provides a broad foundation of knowledge related to data analysis in health science. Emphasizes the interpretation of health data and the computer skills for common statistical methods.

Prerequisites: HSAF 312^D or HLTH 312^D or HLTH 322^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Exercise Science, Exercise Sci- Pre PT-SRU 3+3, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 314 - Nutrition and Health

Examines basic scientific principles of nutrition, specifically all major nutrient classes in terms of functions, food sources, and adequate intakes along with sensitivity to diverse needs throughout the life cycle. Emphasizes interdisciplinary perspectives on how cultural diversity relates to food choices and how unique ethnic health challenges influence dietary needs.

Credits: 3

Term(s) Typically Offered: Offered Fall & Winter Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 316 - Human Sexuality

Surveys a broad range of information about human sexuality from biological, psychological, sociological, religious, and medical perspectives.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 321 - Advanced Disease Prevention in Public Health

This course will build upon the knowledge acquired in HLTH 209 Foundations of Disease in Public Health. The Foundations of Disease in Public Health course provides a basic understanding of a broad range of human diseases with regard to the causes, mechanisms, signs and symptoms, and current therapies. This advanced disease prevention course is designed for public health students as well as other health related majors. It is designed to explore complex disease prevention levels and recent evidence-based health prevention strategies in the US and globally to reduce the incidence of communicable and non-communicable diseases. This course will examine population risk factors, technology for disease prevention, policies which shape health prevention approaches/strategies and interprofessional collaboration. (3 credits)

Prerequisites: HLTH 209^D or HLTH 309^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 322 - Public Health Research Methods and Data Management

Explores methods of data collection, manipulation and reporting for health science. Includes computer applications.

Prerequisites: MATH 152^D or STAT 152^D or MATH 114^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 323 - Social Determinants of Health

This course focuses on the systematic study of the social and economic conditions in the environments where people are born, live, learn, work, play, worship, and age that affect a wide range of health, functioning, and quality-of-life outcomes and risks. Students will specifically explore how social influences, such as income, social capital, race, gender, education, employment, housing, neighborhood, food security, healthcare, environment, and life course affect health status, disease, disability, and longevity. Students will also examine the role of public policy and structural interventions in shaping health outcomes for communities.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 324 - Epidemiology

Introduces the study of population-based research and statistical methods of inquiry regarding distribution and determination of disease in human populations. Emphasizes appropriate study design and investigative techniques and interpretation of findings related to community health. Prerequisites: HLTH 313 Biostatistics or taking HLTH 313 Biostatistics concurrently.

Prerequisite: HLTH 313 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 406 - Program Planning and Evaluation

Provides basic proficiency in quantitative and qualitative approaches to health education and health promotion program measurement and evaluation. Current trends and issues in community, school and worksite health promotion are brought to bear on the problems of implementing and interpreting the results of formative and summative evaluation.

Prerequisites: HLTH 301^D or HLTH 204^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 407 - Fundamentals of Public Health Policy and Management

This course examines the foundational concepts of public health policy, focusing on the development, implementation, and evaluation of policies that influence public health and healthcare systems. Students will explore the U.S. public health system's structure, key stakeholders, public health financing mechanisms, and the policymaking process. The course will also emphasize public health management principles, their application in public health leadership, and the social, political, economic, and ethical dimensions of health policy. Comparative analysis of international public health systems will provide additional insights into the challenges and opportunities in global public health policy and management.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 408 - Public Health Administration

This course is designed to give an overview of the context, infrastructure and core functions of public health systems and related administration. It focuses on the administrative aspects for carrying out the public health functions, and the legal, ethical, economic, management, leadership, and regulatory dimensions of public health systems. This course also addresses performance measures, strategic planning, information systems, and current issues or trends in public health.

Prerequisites: HLTH 210^D or HLTH 104^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Public Health or Health Science - Public Health.

HLTH 411 - Global Health

Examines significant health problems affecting people in various parts of the world. Provides opportunities to understand approaches to population health from different cultural perspectives and evaluates disease patterns in distinct global communities. Emphasizes methods for achieving health equity and improving health for all.

Credits: 3

Term(s) Typically Offered: Offered Fall & Winter Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread

Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 424 - Nutrition and Exercise

This course provides an understanding of the dietary standards that dictate nutritional requirements for apparently healthy adults. Emphasis is placed on the evaluation of an recommendations for macronutrients, micronutrients, and hydration status for health, physical activity, and human performance.

Prerequisites: (HLTH 314^D or EXSC 300^D or EXER 300^D or ERS 300^D) and (ERS 301^D or EXSC 301^D or EXER 301^D) and (ERS 302^D or EXSC 302^D or EXER 302^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Exercise Science, Exercise Sci- Pre PT-SRU 3+3 or Athletic Training.

Enrollment limited to students in the BS 6149 or BS 6204 programs.

HLTH 440 - Public Health Seminar

This course is designed to provide a critical analysis of the major contemporary public health problems facing persons and communities. Content will also address professionalism and career advancement in the public health professions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Public Health, Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 450 - Internship

Provides opportunity to apply theory and develop competencies through a work-related experience in an appropriate cooperating enterprise. Summers only.

Credits: 1-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a major in Health Science - Public Health or Hlth Sci-P Hlth-Pre PT-SRU 3+3.

HLTH 455 - Student Teaching - Health Science

Under the guidance of a cooperating teacher and university supervisor, students engage in two, eight week assignments on a full-time basis in specified school districts and attend scheduled seminars. Supervisors assign additional requirements.

Credits: 3-12

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 490 - Independent Study

Students study under the supervision of a professor on a specific and significant topic. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HLTH 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Health Service Administration (HSA)

HSA 332 - Health Services Planning and Evaluation

Provides knowledge about comprehensive health planning, comparing concepts, models, and approaches.

Prerequisites: (ECON 219^D or BUSA 219^D or MGMT 219^D) and COMM 231^D and HSA 231^D and (PROF 251^D or MGMT 251^D or MGMT 351^D) and (MRKT 330^D or MKTG 330^D)

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSA 436 - Technology in Health Care

This course is designed to provide an understanding of common computer systems, applications, and the intelligent use of information in healthcare in areas such as: patient care, management, administration, strategic-decision support, and e-health. It presents information on hardware, software, networks, and data management to enable students to become conversant with modern technology and its use in healthcare organizations. Emphasis is placed on strategic planning, decision support, continuous quality improvement, and high-quality patient care.

Prerequisites: (CPSC 210^D or MIS 210^D) and HSA 231^D and CPSC 323^D
^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSA 439 - The Accreditation and Survey Process

Focuses on the role, responsibilities, standards, and requirements involved in accrediting and licensing surveys for health care organizations.

Prerequisites: HSA 231^D and (MGMT 250^D or MGMT 351^D or MGMT 251^D) and (MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D) and ACCT 340^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

History (HIST)

HIST 051 - Discussion

This is a laboratory experience associated with Ancient and Medieval World HIST 151.

Credits: 0

HIST 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HIST 151 - Ancient World to the Age of Global Encounters

This course surveys civilizations across the globe from the earliest developments in Mesopotamia to the complex global interactions of the 17th Century. Students will explore the origins of human societies and the evolution of their development over centuries. Some of the areas covered will include classical world of Ancient Greece and Rome, the religious and cultural development of Asian during the Axial Age, the birth of Christianity and Islam, the age of Exploration, and the Columbian Exchange.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

HIST 152 - Early Modern to Contemporary World

This course surveys world events from the expansion of European and Asian empires in the 17th Century to the end of the 20th Century. Students will explore historical documents to engage with people and events and gain a better understanding of the interconnections between the development of various societies across the globe.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

HIST 180 - Spotlight on the Past

Students examine a historical moment or theme using the sources and methodologies of humanities disciplines. They consider how people asked questions and sought answers to the challenges of the human condition then and now. Each section of this course focuses on a different topic. Refer to section descriptions when registering.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HIST 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HIST 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HIST 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HIST 201 - Colonial US to the Civil War Era

This course is a survey of US History from the earliest records to the Civil War Era. Students will engage with historical texts to explore topics that have shaped the nation that the United States has become. These can include: Indigenous cultures that formed America's first permanent societies, the arrival of European colonists, the origins of slavery, the American Revolution, Westward expansion, sectional divisions over slavery, and the Civil War.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

HIST 202 - US Civil War Era to Present

This course surveys US History from the 1860s to the present day. Topics may include: sectional division over slavery, the Civil War, Reconstruction, industrialization, Progressivism, the two world wars, and the Cold War.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

HIST 205 - The Historian's Craft

This course introduces students to the essential skills associated with historical research and writing, as well as a survey of various historical philosophies, historiography, and careers for history majors.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

HIST 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HIST 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HIST 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HIST 304 - American Military History

A survey of the development of all branches of the American military spanning the colonial period to present day. The course includes a brief introduction to the development of the western way of war from pre-Hellenistic conflict through the middle ages in Europe. Technological innovation, evolution of tactical through strategic levels of warfare, and the symbiotic relationship between military development, national policy, and societal expectations will be examined.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 305 - Russia to 1855

A social, political and cultural history from ancient times to the death of Nicholas I.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 306 - Russia Since 1855

Continuity and change in Russia from the reign of Alexander II through the Soviet period.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 313 - U.S. Manhood and Masculinities

An examination of expressions of manhood in American History from the colonial era to the present. Through the use of gender as a category of historical analysis, students will study notions of manhood in social relations, sexuality, the economy and politics.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 318 - Gender and Sexuality in European Society

This course examines gender and sexuality in European society with emphasis on the relationship between ideas about gender and sexuality and their social and cultural manifestations.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 319 - History of Women to 1750

An analysis of women from the earliest civilizations to 1750 through the examination of the lives of ordinary and outstanding women from different levels of the social order.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 320 - History of Women from 1750 to the Present

This course will examine the role of women in the period 1750 to present from a cross-cultural perspective. Through the use of gender as a category of historical analysis and with particular reference to socio-economic differences, we will study the participation of women in the emergence of new national-states; the history of women's labor in the household and the work place, the contribution of women in intellectual life, and the participation of women in the social/political reform movements of the modern era.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 323 - African American History to 1876

To investigate, discuss and debate the historical experience of African Americans from their origins in West Africa, through the Middle Passage and the Plantation, to the 15th Amendment and the Sell-Out of 1876.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 324 - African American History Since 1876

The historical experiences of African Americans from the collapse of the Reconstruction and the emergence of Booker T. Washington, through the NAACP, UNIA, and the Harlem Renaissance, to the rise of the Nation of Islam, CORE, SCLC, and the election of 1976.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 326 - The Long Civil Rights Movement

Examines Black social movements, organizations, and civil rights court decisions in the United States from 1900 to the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 331 - England to 1689

Celts, Anglo-Saxons, Danes, and Normans in the formation of a nation, the medieval period, and the Tudor and Stuart centuries.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 332 - Britain Since 1689

This course investigates key events and individuals in British history since the Glorious Revolution.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 333 - Medieval Church

This course examines the medieval church and society with particular emphasis on the ways in which medieval men, women and institutions defined and applied the concepts of sanctity and heresy.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 335 - Outstanding Americans

A biographical approach to the study of American history. A study is made of the lives of those Americans who have made a contribution to society outside of politics.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 336 - American Economic History

American economic development with an emphasis on commerce, industry, labor, finance and governmental participation.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 337 - Native American History

Histories and cultures of Indigenous peoples of North America from the pre-contact period to the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 343 - Public History

This course is intended to introduce students to the practices and theory of public history. Students will gain an understanding of museums, historic preservation, archives, documentary film, and many other methods of preserving and presenting historical content outside the classroom.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 344 - The American City

This course explores the history of American cities from the colonial period through the present day, with particular emphasis on the late 19th and 20th centuries. Examines the formation and evolution of the physical urban environment; the city as a site of race, class, and ethnic interactions; urban political, economic, and cultural evolution; transportation and suburbanization; and the consequences of the "urban crisis" of the post-World War II era.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 346 - Rise of Imperial Britain

This course is a study of key events, people and trends that shaped British history from the Act of Union that brought England, Scotland, Wales and Ireland together into a single nation, until the eve of WWI. This course will use literature, film, art and primary source documents, as well as textbooks to examine Britain's rise to be the largest and most powerful empire in the world.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 347 - Twentieth Century British Culture

This course is a study of key events, people and trends that shaped British culture throughout the Twentieth Century. The course will focus on such moments as the two world wars, decolonization and the rise of a multi-racial populace. It will provide the historical narrative and then analyze the cultural impact through the use of film, television, art, theater, photography and music.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 350 - The American Civil War

An examination of the causes, conduct, and consequences of the American Civil War with emphasis given to its political, constitutional, economic, military, and social ramifications.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 351 - Latin America to 1830

Political, economic, and social development of the Spanish and Portuguese colonies in America, culminating in the winning of national independence.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 352 - Latin America Since 1830

Developing countries of Latin America, their internal problems, international relations and historic evolution to the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 353 - History of the Americas

A study of the American republics and their interactions from the colonial era to the present. Students will begin their study by examining the rise and decline of the Spanish, Portuguese, Dutch, French and British empires in the New World. Having considered many of the legacies bequeathed to the new American republics by their colonial heritage, students can then examine how those legacies have affected inter-American relations for the last two centuries.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 358 - American Popular Culture, 1865 to the Present

An interdisciplinary course, involving American literature, philosophy, the fine and performing arts, sports and politics, which examines characteristics and patterns in American popular culture and institutions. Studies will focus on how the creative life of selected Americans and their institutions inform the nature of the evolving cultures in different eras in American history and how they continue to shape the nation and its diverse peoples, values and mores.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 362 - Africa North of the Zambezi

Language groups, migrations of peoples, external influences, colonialism, and the emergence of independent states.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 363 - Southern Africa

The Republic of South Africa and the High Commission Territories of Bechuanaland, Swaziland, and Basutoland, including colonialism, imperialism, war, and reconstruction in the 19th and 20th centuries.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 364 - History of Medicine

This course will trace the history of medical philosophy and practices. It will examine the vast variety of efforts to amend human suffering and extend life through human intervention. The course is concerned with medicinal approaches throughout the span of human development and across the globe.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 370 - History and the Bible

The history of the eastern Mediterranean area from 1800 B.C.-100 A.D. with a study of the Old and New Testaments in order to evaluate their historical validity.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 371 - History of Jews

A course surveying Jewish life and thought from early Roman times to the present. Four thousand years of Jewish participation in most world civilizations are examined, and religious, philosophical, and literary contributions are analyzed.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 376 - Modern Japan

This course investigates the history of the Japanese people from the beginning of the nineteenth century to the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 380 - Egyptology

A study of the history and culture of ancient Egypt from the old kingdom through the new kingdom. The methods and disciplines utilized in the study of an ancient culture will be analyzed and evaluated.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 381 - East Asian Military Traditions

This course examines the factors that have distinguished East Asian military practices from the fifth century BCE to modern times.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 382 - Modern Asian Pacific Rim

This course examines the political, social, economic, technological and cultural factors that have affected the Asian Pacific Rim's evolution into the most economically dynamic region of the world today.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 386 - Modern China

In this course we investigate the history of modern China, the major factors that influenced its course, the values that operate in Chinese society today as well as its fast ascent to major international importance.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 404 - Violence in Post-45 Europe

This course focuses on three case studies of violence in Europe in the post-WWII era: 1. Displaced Persons and the refugee crisis as a result of the collapse of governments at the end of the war; 2. The sectarian violence in Northern Ireland between 1968 and 2000; and 3. The wars in the Balkans in the 1990s.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 406 - Mass Killing and Genocide in the Modern World

In this course, we will explore through readings, films, discussion and internet the troubling and complex topics of mass killing (massacre) and genocide in the modern world, both vexing issues that continue to plague us into the twenty-first century and that no doubt we will face into the foreseeable future. We will examine definitions of terms and the long-term historical context(s) for mass killing/genocide, then we will consider specific cases of mass killing and genocide worldwide.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HIST 411 - Digital History

This course will explore the ways in which digital technologies are changing how historians think about, research and present the past; topics may include digital publishing, visualizations, geospatial mapping, text mining and digitization of historical documents and artifacts.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HIST 422 - Ancient Greece

This course examines the history of ancient Greece, from the rise of its city-states to the Hellenistic world created by Alexander the Great's conquests. In addition to surveying major events, significant persons, and intellectual achievements, additional emphasis will be given to examining contributions to modern concepts of participatory government and intellectual constructs.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 423 - Ancient Rome

This course examines the history of Ancient Rome, from its origins ca. 800 BCE to its "fall" traditionally dated ca. 476 CE. In addition to surveying major events and significant persons during its Regnal, Republican and Imperial Periods, emphasis will be given to examining Roman culture and political development as antecedents to modern institutions.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 424 - The Middle Ages

This course investigates the major political, social, and intellectual developments of Western Europe during the Middle Ages, 500 to 1500.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 426 - French Revolution and Napoleon

French political, social, and economic affairs in the 18th century, the French Enlightenment, the Revolution, and the Napoleonic period.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 427 - Nineteenth Century Europe

From the Congress of Vienna to the outbreak of World War I, examining nationalism, liberalism, the response to industrialism, imperialism, the rise of the alliance system, and the breakdown of nineteenth century order.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 428 - Modern French History, 1789-Present

Explores the political, social, and economic changes to France from the French Revolution and Napoleonic Era, through the 19th century, Industrialization, the Belle Epoch, Imperialism, into the twentieth-century World Wars, post-war migrations, the rise of the European Union, and ending with contemporary challenges.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 435 - Pennsylvania

The founding and growth of Pennsylvania to the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 437 - The American West

This course examines the history of diverse groups that have resided in the American West since the sixteenth century—Native Americans, Spanish, Mexicans, and citizens of the United States. Topics include the role of the United States government in the conquest, economic development, and administration of the West; the legacy of that conquest for native and immigrant peoples; the formation of distinctive Western communities; contests for access to natural resources and wealth; and the idea of the mythic frontier in American culture.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 445 - Americans and the Environment

This course surveys the environmental history of North America from pre-columbian societies until the present, exploring how the environment has influenced America's social, political, economic and cultural development, as well as how human activity and ideas have shaped nature.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 450 - History Internship

Supervised placement and research in selected public and private agencies at appropriate institutions.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 453 - American Constitutional History and Law

Federal constitution by the Supreme Court, including the growth of constitutional law and political, social, economic, and technological changes.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 454 - Research and Writing Seminar

This class is the capstone course for all history majors. In it, students will have the opportunity to synthesize their learning in the history program. They will apply content knowledge and use the research and writing skills they have learned. Students will produce a major research paper based on both primary and secondary sources.

Prerequisite: HIST 205^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 462 - The Contemporary Middle East

The economic, social, cultural, and political aspects of the Middle East in the perspective of the past.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 463 - Israel-History, State and Society

In this course, we will examine the following topics: the development of Zionism and the circumstances in the Jewish Diaspora that led to the call for a "Jewish" state; the British Mandate for Palestine, 1920-1948; the establishment of Israel; Israeli state and society, 1948 to present; and Israel within the broader context of the modern Middle East.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 464 - The Scientific Revolution of the 17th and 18th Centuries

The Scientific Revolutions of the 17th and 18th centuries is a survey of the changes and developments in Western science from antiquity to the brink of the Industrial Revolution. The course investigates the origins, transmission and development of scientific ideas and the appearance and impact of new intellectual communities in Western Europe.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 490 - Independent Study

For history majors or advanced students with a background in history. Prerequisites: QPA of 2.750 in history and permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HIST 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Homeland Security (HSS)

HSS 120 - Introduction to Homeland Security

This course is a general introduction to the foundations of homeland security, counter-terrorism, infrastructure protection, intelligence operations and other mechanics of the homeland defense field. This course also includes an overview of the legal, sociopolitical and criminal justice aspects of homeland security.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

HSS 130 - Principles of Emergency Management

This course will introduce the foundations of emergency management and discuss the emergency management cycle. The concept of the whole community approach will be emphasized along with the tools and resources used in emergency management situations. An emergency exercise will be assigned and special topics unique to emergencies will be explored.

Credits: 3

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

HSS 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HSS 170 - Lenses of Catastrophe

Lenses of Catastrophe asks students to examine the interdisciplinary approach of disasters. Disasters, whether stemming from natural or manmade hazards, can impact the entire spectrum of disciplines and industries. This course looks at disasters from the perspective of different fields and how they have been impacted by past events.

Credits: 3

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HSS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HSS 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HSS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HSS 210 - Fundamentals of Terrorism

This course will explore the complex issues surrounding terrorism. In terms of terrorism, the topics addressed may include: complexities of defining it, types of terrorists, causes of terrorism, methods used to achieve their goals, environments, funding and support, structure and counter-terrorist measures, and the issues the criminal justice system faces when trying to prevent, detect, and investigate it.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Corporate Security, Homeland Security, CERT - Fraud, CERT - Homeland Security, CERT - Organizational Security, Fraud, Homeland Security or Organizational Security.

HSS 230 - Risk Analysis and Strategic Planning

This course provides an overview of principles of risk analysis and management, including vulnerability and threat identification, assessing risk threats, security survey methodology, emergency management and response strategies.

Prerequisite: HSS 120^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

HSS 250 - Managing Natural, Man-Made and Technological Disasters

This course will discuss the history of natural, technological and manmade (intentional) disasters. (e.g., 1918 Pandemic, Great Flood of 1923, 1994 Northridge Earthquake, Coronavirus 19, September 11th). Students will analyze the complex nature of disasters, identifying overriding themes while examining lessons learned and best practices to handle specific types of disasters.

Credits: 3

HSS 260 - Emergency Management Planning

This course will provide an in-depth analysis of planning methodologies and constructs as well as pitfalls and limiting factors in the development and execution of emergency management plans at the strategic, operational and tactical levels. The origins of emergency management planning, applicable policies and legislation will be reviewed. The course will also examine historical incident review and analysis, contemporary and emerging planning doctrine, and advanced planning concepts.

Prerequisite: HSS 130^C

^C Requires minimum grade of C.

Credits: 3

Enrollment is limited to students with a program in Corporate Security, Homeland Security, CERT - Fraud, CERT - Homeland Security, CERT - Organizational Security, Fraud, Homeland Security or Organizational Security.

HSS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HSS 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HSS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HSS 300 - Terrorist Organizations and Lone Wolves

This course will allow students to study the ideological evolution, the behavioral indicators, recruitment styles, organizational styles, financing methods, and tactics for specific domestic and international terrorist organizations. Issues such as the radicalization and behavioral indicators of both terrorist organization and lone wolves will be discussed as well.

Prerequisite: HSS 210^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Corporate Security, Homeland Security, CERT - Fraud, CERT - Homeland Security, CERT - Organizational Security, Fraud, Homeland Security or Organizational Security.

HSS 310 - Weapons of Mass Destruction

This course will examine the threat and use of nuclear, biological, chemical, and radiological weapons and their implications to the Homeland. The course will evaluate means of proliferation and countermeasures overseas and within the Homeland.

Prerequisite: HSS 210^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Corporate Security, Homeland Security, CERT - Fraud, CERT - Homeland Security, CERT - Organizational Security, Fraud, Homeland Security or Organizational Security.

HSS 320 - Protecting Infrastructure and Key Assets

This course focuses on the protection of critical infrastructure, including information and telecommunication systems, water supply, energy, first responders, transportation, health/medical and other key assets.

Prerequisite: HSS 230^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 330 - Intelligence Operations

This course encompasses the development and use of national security and policing intelligence, and includes theoretical and practical models of intelligence in governmental and private security environments.

Prerequisite: HSS 210^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 340 - Intelligence for Homeland Security

This course will examine intelligence operations for the Homeland Security Enterprise at the state and local level, within the Department of Homeland Security, and within the private sector. The course will utilize intelligence tradecraft to assess current threats, trends, hazards, and vulnerabilities in the Homeland. The course will also prepare students to write intelligence briefs.

Prerequisite: HSS 330^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Homeland Security.

HSS 350 - Securing Virtual Infrastructure

This course will examine the implications of the growing cybersecurity environment. The course will discuss targeted systems, threat adversaries, attack methods, and recovery and mitigation processes.

Prerequisite: HSS 230^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Homeland Security.

HSS 360 - Social Dimensions of Disaster

This class will analyze how individuals, groups, families, organizations, communities and countries, handle disasters before, during, and after they occur. The vulnerability of various social groups will be explored as well as reactions to disasters the stressors associated with disasters. Methods to reduce vulnerabilities and build local capacity will be covered.

Prerequisites: HSS 250^C or HSS 260^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in CERT - Emergency Management, Emergency Management, Corporate Security, Homeland Security, Fraud or Organizational Security.

HSS 370 - Research in Disasters and Emergency Management

This course will describe in detail how research is conducted in disasters and emergency management how to read and understand scholarly work; and apply related studies from the field of disaster research. Students will be taught how to evaluate open-source data for construction of research projects. The basic foundations of how to conduct qualitative research studies geared towards disaster research will be provided.

Prerequisite: HSS 250^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in CERT - Emergency Management, Emergency Management, Corporate Security, Homeland Security, Fraud or Organizational Security.

HSS 380 - Crisis & Emergency Risk Communication

Disasters mandate effective communication. This course will analyze communication theory to examine common challenges and best practices encountered in emergency, crisis and risk communication situations by public information officers, public authorities, first responders, and health professionals. It will explore the opportunity to develop strategies and communication solutions in interpersonal, mediated, social media, and public contexts.

Prerequisite: HSS 250^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in CERT - Emergency Management, Emergency Management, Corporate Security, Homeland Security, Fraud or Organizational Security.

HSS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 441 - Terrorism, Law and National Security

This course will discuss terrorism-its structure, causes, and illegal financing and the evolution of domestic and international laws evolving to deal with terrorism and national security.

Prerequisite: HSS 330^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 450 - Internship HS

Supervised placement and research in selected public and private agencies. Permission of instructor.

Credits: 3-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 460 - Capstone in Homeland Security

The Capstone class applies student professional proficiency, communication skills, ethical understanding, cultural awareness and critical thinking towards the completion of a capstone project that demonstrates competency in multiple aspects of homeland security and defense.

Prerequisite: HSS 340^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Homeland Security.

HSS 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic. The course outline will be determined by the instructor based on key developments, trends or specialized content within homeland security. Permission of instructor.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HSS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Honors (HONR)

HONR 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 300 - Seminar in Global Learning

Honors Global Learning Seminar is an interdisciplinary course that explores some of the world's most pressing, interesting, and enduring global issues. This course makes use of experiential learning to allow for personal and professional development of skills and knowledge to become informed, self-aware, and responsible global citizens with increased attentiveness to diversity and the interdependence of the world's people and/or environmental systems.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with the HONORS PRGM - STUDENT attribute.

HONR 385 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 386 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 387 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 388 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 492 - Innovation for Positive Change

This course deals with the background knowledge, skills, and dispositions needed to innovate. This includes the ability to develop new ideas, recognize opportunities, analyze risks, create teams of motivated helpers, foster positive communication within the team, lead the team effectively to bring about change, assess progress from an idea to a change, and to pivot along the way. This course serves as the capstone course for the Innovation and Entrepreneurship Rock Studies Thread.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Transfer Thread Completion Course

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

HONR 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Hospitality, Event Management & Tourism (HEMT)

HEMT 112 - Introduction to HEMT

The purpose of this course is to assist individuals with matching their aspirations with the opportunities within the hospitality and tourism profession. Primary areas related to tourism, recreation and event and hospitality management will be discussed providing a roadmap for students to chart their careers in the profession.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

HEMT 114 - Sustainability in Food and Hospitality

An exploration of the economic, environmental and social sustainability challenges and advancements in the hospitality and food industry. A comprehensive investigation of today's U.S. food system with particular focus on the food system's interrelationships with public health, the environment, equity, and society.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

HEMT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

HEMT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HEMT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HEMT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HEMT 210 - Contemporary Travel and Tourism

This course provides students with a diverse and contemporary knowledge of the tourism industry, ecotourism, tourist behavior, tourism management, and issues in medical tourism, crisis management, sustainable travel and environmental friendly practice within the overall global tourism sector. Students will have opportunities to investigate real life cases and current events, and to explore the various elements of the travel and tourism industry and how they interrelate. This will enable students to develop an overall knowledge in the field and appreciation of the global travel and tourism experience.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

HEMT 215 - Public Relations for Hospitality, Event Management & Tourism

The theory, principles and practices of public relations of value to hospitality and tourism personnel including oral, written and graphic presentations useful in public relations and interpretive efforts.

Prerequisite: HEMT 112^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

HEMT 222 - Programming and Leadership for HEMT

This course is designed to provide a sound basis of learning and practical methods in the realm of recreation programming and leadership. It includes practical approaches to program design, sequencing program experiences, processing experiences, assessment and evaluation and examines the needs of leaders as well as participants in terms of communication skills and preferred learning styles. Participant behaviors and the important traits of a positive leader will also be examined.

Prerequisite: HEMT 112^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

HEMT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HEMT 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HEMT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HEMT 311 - Principles of Commercial Recreation/Tourism

A study of the various forms of commercial recreation, business and facilities providing recreational opportunities.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 312 - Commercial Recreational Feasibility Studies

This course is a study of financial, marketing, and operations management concepts that go into a feasibility study of a commercial recreation business.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 314 - Sustainable Planning for Tourism

This course is designed to develop an understanding of how sustainable planning can reduce the negative impacts and maximize the benefits of the tourism industry. Students will research and evaluate the social, environmental and economic impacts of a variety of tourist destinations. Analyses of the sites will be followed by formulating proposals to address key issues.

Prerequisite: HEMT 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 316 - Management of Hospitality & Tourism Facilities

A study of the design, operation and maintenance of selected hospitality, event management and tourism facilities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 318 - Administration for Hospitality, Event Management & Tourism

The organization and administration of hospitality, event management and tourism services, including organizational management, personnel practices and labor relations, financial and business procedures and legal aspects.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 320 - Hospitality and Tourism Marketing

Course will examine service marketing concepts and practices as they relate to all areas of hospitality, tourism, and event management, and apply those principles to formulating marketing strategy.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in a Bachelor of Science degree.

HEMT 322 - Food and Beverage Operations

Food and Beverage Operations is a survey of the food service industry to include: History and global economic impact, Menu engineering, Food sourcing with sustainable emphasis, Food Safety, Food Handling, Beverage Management, and exploration of commercial applications.

Prerequisite: HEMT 112^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

HEMT 324 - Legal Issues in Hospitality and Tourism Management

Course will examine legal issues affecting the contemporary Hospitality Industry, with an emphasis on a preventative approach to management. Extensive use of case studies will provide students with an awareness and understanding of the legal considerations necessary for sound policy and decision making.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2 or Sophomore 2.

HEMT 326 - Introduction to Meetings and Event Management

An introductory course for Event Management focusing on meetings, conferences, convention and trade shows with an emphasis on industry standards, language, and professional associations.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 351 - Practicum in HEMT

Observation and participation in hospitality, event management and tourism activities. Cross listed as HEMT352.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 352 - Practicum in HEMT

Observation and participation in hospitality, event management and tourism activities. Cross listed as HEMT351.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 415 - Challenges and Trends in Hospitality, Event Management & Tourism

An integrative course for detailed study of current issues in hospitality, event management and tourism with emphasis on unique and imaginative solutions to the challenges facing the hospitality and tourism profession. Must be a senior to enroll.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

HEMT 416 - Resort Recreation Programming

This course examines the planning, organization, pricing, and evaluation of recreation programs, activities, and special events at various four season resorts, municipal recreation departments and residential camps and camping facilities. This course will also analyze the planning, developing, marketing, administration, and implementation of group recreation and special events.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 417 - Hotel/Lodging & Hospitality Management

This course is a study of the management and operation of a variety of departments/divisions of a hotel/resort.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 420 - Event Production and Coordination

This course will explore the many aspects of event management, as well as identify and develop the skills necessary to design and develop a special event. Emphasis on the understanding of the genre, developmental steps in processing, and practical applications of execution in special event management. A HIP course, If feasible students will coordinate a live community event.

Prerequisite: HEMT 326^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 450 - Internship in HEMT

A supervised off-campus work experience in an appropriate aspect of hospitality, event management, resort or municipal recreation or tourism work. Open only to HEMT majors with advanced standing.

Credits: 1-12

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Hospitality & Tourism Mgmt or Hospitality Management.

HEMT 490 - Independent Study

A special study opportunity for students to investigate in-depth, approved topics in hospitality, event management and tourism. Topic and credit established by student and supervising instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

HEMT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Industrial & Systems Engineering (ISE)

ISE 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ISE 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ISE 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ISE 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ISE 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ISE 311 - Introduction to Operations Research

Topics include deterministic methods in operations research. Linear programming, duality, integer programming, dynamic programming, nonlinear programming, inventory theory, transportation and assignment and network theory.

Prerequisites: MATH 231^C or MATH 240^C or (MATH 122^C and MATH 230^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 330 - Six Sigma Methodology

Statistical methods of Six Sigma used for efficient new product development as well as methods for process improvement. The math and methodology of six Sigma including DMAIC and DMADV processes. Topics will include measurement and analysis mathematical techniques. Design of experiment will be introduced. Case studies will be used to illustrate advanced concepts of Six Sigma.

Prerequisite: STAT 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 370 - Design of Industrial Systems and Processes

This course covers advanced topics in Applied Engineering Statistics. It includes the introduction to linear regression analysis, simple linear models, multiple linear models, residual analysis, indicator variables, variable selection process, ANOVA, introduction to design of Industrial systems and processes, basic designs, factorial designs, fractional factorial designs, blocking, Taguchi designs, and response surface methodology. Extensive use of statistical software will be introduced throughout the course.

Prerequisite: STAT 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 372 - Manufacturing Systems Design and Analysis

Contemporary techniques used to design and analyze manufacturing systems for economic manufacture of products. Design of manufacturing systems (human and automated) to satisfy differing types of product demand will be explored.

Prerequisite: ENGR 340^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 373 - Quality Engineering

A comprehensive coverage of modern quality control techniques including the design of statistical process control systems, acceptance sampling and process improvement.

Prerequisites: MATH 230^D and (STAT 252^D or STAT 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 382 - Sustainable Processes

Exploration of the scientific and legal progress in sustainability. Students will learn both the theory of sustainability as well as how sustainable processes can be implemented throughout an organization.

Prerequisites: PHYS 217^D and MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 402 - Work Design

Introductory tools required for analyzing and designing both the job and the worksite in a cost-effective manner, as well as measuring the resulting output. These tools include human information processing, basic auditory and visual displays, anthropometry and musculoskeletal principles, cumulative trauma disorders, work measurement and stopwatch time study. Students taking this course should be familiar with the basic concepts of cost.

Prerequisite: ISE 372 (may be taken concurrently)^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 410 - Engineering Project Management

This course is an introduction to the concepts and practices of project management. It provides students with a basic exposure to the tasks and challenges facing today's engineering projects and in particular, those of the project manager. This course also provides students with the quantitative tools for the successful management of engineering projects. The problems of selecting projects, initiating projects, and operating and controlling projects will be discussed in this course.

Prerequisite: ENGR 340^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 420 - Simulation of Industrial Systems

In this course, the student will develop an understanding and need for discrete event simulation in practice. The course will focus on basic and advanced concepts in simulation modeling including analyzing simulation results, and successfully developing simulation models useful in production/manufacturing, supply chains, transportation, and other areas related to industrial and Manufacturing Engineering. Simulation package such as ARENA will be integrated and used throughout.

Prerequisites: (MATH 311^D or ISE 311^D) and STAT 350^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 421 - Supply Chain & Logistics Engineering

Overview of key logistics and supply chain management processes, concepts and methodologies. Emphasis is given to the Lean development of supply chain management, the analysis of logistics cost and service trade-offs among inventory transportation and warehousing activities, the strategic role of information technology in supply chains, the use of third-party logistics providers, and the methods of measuring the value of logistics performance. Instruction may include problem-based learning pedagogy.

Prerequisites: ISE 311 (may be taken concurrently)^D and ISE 373^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 430 - Production Planning & Control

This course equips students with knowledge of fundamental issues in production and inventory planning and control while developing the students' modeling and analytical skills. This course emphasizes the application of industrial engineering theory and practice to the area of operations management and production planning/control. This course will cover analysis and understanding of forecasting, aggregate planning, operations strategy, capacity planning, supply-chain management, just-in-time systems, lean manufacturing, agile manufacturing, materials replacement planning, inventory management, and scheduling and sequencing.

Prerequisites: ENGR 340^D and ISE 372^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 432 - Productivity Analysis

Techniques for measuring and assessing productivity for output, labor, capital and input. Aggregation of productivity growth will also be discussed.

Prerequisite: MATH 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 440 - Health Care Systems Engineering

The course examines the technical structure of the healthcare delivery system and the role that industrial engineering (IE) plays in its design and improvement. Included will be how healthcare systems work in hospitals, medical offices, clinics and other healthcare organizations. Traditional IE methods for improving quality, patient safety, and employee productivity and satisfaction will be present within a systematic application of value chain engineering designed to produce lean processes.

Prerequisites: ISE 311^D and ISE 373^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 442 - Human Factors Engineering

An analytic study of human factors that need to be taken into account in the design and engineering of complex workplace systems. Body mechanics will be used to understand the needs of humans in the workplace under a variety of different constraints: physical demands, environmental conditions, human capability. system design considerations aimed at reducing safety hazards will be studied.

Prerequisite: ISE 402^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 460 - Engineering Risk Analysis

This course is an introduction to risk, risk assessment, and risk management in engineering systems. It focuses on building mathematical models to assess and quantify risk principally by following the methodologies of probabilistic risk analysis. In particular, the course covers concepts of risk analysis, risks in engineered systems; methods of risk analysis, fault trees and event trees; quantification of probabilities, use of data, models, and expert judgments; risks and decisions, interlinking risk analysis with risk management; applications to cybersecurity.

Prerequisite: STAT 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 462 - Lean Systems

The design and delivery of services. Topics include how to design and improve service offerings for sustained excellence, how to identify and overcome challenges in service delivery. Both traditional services as well as e-commerce service will be studied for both the private and public sector.

Prerequisite: ISE 372^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 480 - Industrial and Systems Engineering Undergraduate Research
Research and design problems of limited scope approved on an individual basis intended to promote independent study; results of study presented in writing.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

ISE 487 - Industrial and Systems Engineering Senior Project I

This course provides a proposal preparation for ISE 488 which includes defining a comprehensive problem in design involving systems in manufacturing, service, and other systems to improve efficiency and quality, and optimize the resources utilization.

Prerequisites: ISE 370^D and ISE 420^D and ISE 421^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 488 - Senior Project II

Senior project in industrial and systems engineering. Requires students to complete a multi-dimensional project in their area of interest: industry, health-care, etc. The project must be approved by ISE faculty no later than the end of the fourth week of the start of the course. Students will be invited to propose their own projects or create one in collaboration with ISE faculty.

Prerequisite: ISE 487^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

ISE 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ISE 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Interdisciplinary Programs (INDP)

INDP 102 - Introduction to Interdisciplinary Studies

Developing a critical lens to engage in cultural studies through interdisciplinary perspectives with a specific focus on cultural diversity.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

INDP 103 - Contemporary Social Problems

An analysis of major social problems confronting modern society.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

INDP 104 - Principles of Sociology

Basic concepts of social behavior, group structure and group processes.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

INDP 106 - Race and Ethnic Diversity in the USA

An introduction to racial and ethnic diversity in the U.S.A., with focus on trends in immigration, demographics, socio-cultural dynamics and issues, past and present.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

INDP 108 - Introduction to Anthropology

Human beings as cultural and biological entities. Emphasis is on primitive and peasant societies.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

INDP 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

INDP 170 - Making Sense of Our Social World

The course is an introduction to the techniques and strategies used by interdisciplinary social scientists to develop an understanding of the root causes, social context, and personal consequences that define the key issues of our contemporary social and cultural worlds.

Credits: 3

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

INDP 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

INDP 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

INDP 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

INDP 211 - Biological Anthropology

This course provides an understanding of the place of the human species within the biological system. It stresses the concepts and processes of evolution and emphasizes the study of human and non-human primates as seen in the fossil record as well as through study of genetics and behavior.

Credits: 3

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

INDP 212 - Archaeology/World Prehistory

A discussion of culture history around the world based on archaeological evidence. It begins with early signs of culture called the Paleolithic or Old Stone Age of Africa, Asia, Europe and America (where it is named Paleo Indian), and concludes with the rise of complex, stratified cultures based on agriculture in the Middle East, America, and East Asia.

Credits: 3

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

INDP 226 - Population and Society

Sociological/anthropological analysis of selected population trends, problems and controversies in the contemporary world-both literate and non-literate.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

INDP 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

INDP 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

INDP 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

INDP 304 - Urban Sociology

Sociological aspects of urban life. Includes metropolitan areas and small cities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 309 - Health and Society

An analysis of health services, public policy and institutional relations. Note: This course is taught from either a sociological or anthropological viewpoint. The student should check with the instructor to determine the approach being taken in the current offering.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 310 - Cultural Area Studies

Anthropology course dealing with sociocultural phenomena of specific cultural areas. Topics to be announced. Course may be repeated one time in a different area.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 312 - Archaeology Techniques and Laboratory

A course designed to introduce students to basic techniques in the field and to provide laboratory experience in working with field materials.

Prerequisites: INDP 202^D or INDP 108^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 317 - Statistics for the Social Sciences

An enrichment course that introduces statistical concepts and techniques of data analysis with computer application to analyze contemporary social issues.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 318 - Research Methods in Interdisciplinary Studies

Major methods and procedures used in interdisciplinary studies, including anthropology, cultural area studies, gender and diversity studies, leadership studies, nonprofit management and sociology.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 319 - Anthropology Methods

Data gathering techniques and evaluation of anthropological phenomena from tribal, peasant and industrial societies.

Prerequisites: (SWCJ 202^D or INDP 202^D or PROF 202^D) and (SWCJ 317^D or INDP 317^D or SOWK 317^D or CRIM 317^D or PROF 317^D)

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 321 - Minority Groups

An examination of the minority group concept with special emphasis on women, the poor, behavioral and physical minorities. Note: This course is taught from either a sociological or anthropological viewpoint. The student should check with the instructor to determine the approach being taken in the current offering.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 322 - Archaeology of the Americas

This course introduces the student to the unique intellectual and cultural achievements of the Native Civilizations of Central and South America prior to the arrival of the Spanish. Two thirds of the course concentrates on Mesoamerica, especially the Aztecs and the Maya. One third on South America, with an emphasis on the civilizations of Peru. The variety of cultural developments, including their great time depth, social, political, economic, and artistic achievements as revealed through archaeological exploration, are explored.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 323 - Deviant Behavior

The subject and nature of deviance with particular emphasis on its relativity and its relationship to social control and social change.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 324 - The Family

Comparative perspectives of the family as a universal social institution.

Note: This course is taught from either a sociological or anthropological viewpoint. The student should check with the instructor to determine the approach being taken in the current offering.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 326 - Society, Culture and Self

An examination of the relationship between personal characteristics and social environment.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 327 - Religion and Society

Explores the relationship between religion and society and some of the key issues confronting religion today.

Prerequisites: INDP 201^D or INDP 202^D or SWCJ 201^D or SWCJ 202^D or PROF 201^D or PROF 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 330 - Collective Behavior

An analysis of social movements, publics, crowds, mobs and similar social phenomena.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 339 - Gender Roles and Society

An examination of gender roles, what they are, how they develop and how they are maintained. An examination of the effects of gender roles on education, occupation, the polity and other institutions as well as the effects of role restrictions of personal relationships. Note: This course is taught from either a sociological or anthropological viewpoint. The student should check with the instructor to determine the approach being taken in the current offering.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 340 - Social Inequality

Examination of the theoretical and practical implications of economic disparity across diverse populations: class, race, ethnicity and gender.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even, Offered Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 342 - Sociology of Aging

Social changes, which accompany aging. Emphasis placed upon how social processes influence patterns of aging and social problems of older people.

Credits: 3

Term(s) Typically Offered: Offered Winter Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 348 - Sociology of Organizations

Approaches to the study of the structure and functions of large-scale social organizations.

Prerequisites: INDP 201^D or INDP 202^D or SWCJ 201^D or SWCJ 202^D or PROF 201^D or PROF 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 360 - Issues in Asia; Women in Asian Societies

Students will have an opportunity to gain an in depth understanding of the issues surrounding the roles and status of women in a rapidly changing Asia; from both a historic and a current context. These issues, which are political, religious, economic, health, social justice and legal, among others are vital for women in Asia, their societies as well as this ever globalizing world.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 401 - Applied Anthropology

Using anthropological concepts and methods, this course explores the role of archaeologists, and physical and cultural anthropologists in understanding and facilitating change in human biological and cultural issues.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 412 - Basic Sociological Theory

Historical and modern development of basic concepts of sociology and cultural anthropology.

Prerequisites: (INDP 201^D or INDP 202^D or SWCJ 201^D or SWCJ 202^D or PROF 201^D or PROF 202^D) and (SWCJ 318^D or SWCJ 320^D or INDP 318^D or INDP 319^D or SOWK 318^D or CRIM 318^D or PROF 201^D or PROF 202^D or PROF 318^D or PROF 319^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 450 - Internship

Supervised placement in selected professional agencies.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

INDP 499 - Capstone: Applied Interdisciplinary Studies

This seminar is designed to assist students in developing awareness and skills for entry into the career or graduate studies. Students enrolled will participate in career development activities, reflection on the application of their knowledge for a future career and submit a final portfolio project.

Prerequisites: INDP 102^C and INDP 318^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment limited to students with department of Social Sciences.

Italian (ITAL)

ITAL 101 - Italian Language and Culture I

A broad and practical working foundation in the language.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

ITAL 102 - Italian Language and Culture II

A broad and practical working foundation in the language.

Prerequisite: ITAL 101^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

ITAL 103 - Italian Language and Culture III

A broad and practical working foundation in the language.

Prerequisite: ITAL 102^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

ITAL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ITAL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

ITAL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

ITAL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

ITAL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

ITAL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

ITAL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

ITAL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ITAL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ITAL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ITAL 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ITAL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ITAL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Japanese (JAPN)

JAPN 101 - Japanese Language and Culture I

This course is the first in a three course series which will provide an introduction to the Japanese language.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

JAPN 102 - Japanese Language and Culture II

This course is the second in a three course series which will provide an introduction to the Japanese language.

Prerequisite: JAPN 101^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

JAPN 103 - Japanese Language and Culture III

This course is the third in a three course series which will provide an introduction to the Japanese language.

Prerequisite: JAPN 102^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

JAPN 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

JAPN 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

JAPN 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

JAPN 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

JAPN 202 - Intermediate Japanese I

Comprehensive review of Japanese language with emphasis on developing the students' abilities for proficient oral and written accomplishments.

Prerequisite: JAPN 103^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

JAPN 215 - Topics in Japanese Culture

This course provides deeper knowledge of Japanese culture by examining selected topics in Japanese culture. This course is taught in English.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

JAPN 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

JAPN 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

JAPN 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

JAPN 300 - Reading & Writing Japanese

This course reviews hiragana, katakana, romaji, and kanji characters to develop and enhance Japanese reading and writing skills.

Prerequisite: JAPN 103 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 303 - Professional Japanese

This course acquaints the student with formal registers and forms of communication used in all professional communication in Japan. There are no prerequisites for this course.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 305 - Japanese Popular Culture

This course explores various facets of Japanese popular culture such as anime, manga, Japanese video games, etc. It is relevant to all student in all levels across disciplines. This course is taught in English.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 315 - Japanese Study Abroad

This course is designed for students who wish to study Japan/ Japanese society firsthand. Students will study the culture, literature, history, art, and other socio-political issues concerning the country where the program is offered. There are no prerequisites for this course.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 330 - Samurai Culture Through Film

This course examines the samurai culture, their history, and their impact on Japan through films depicting the samurai. Samurai films will be a major component of the course in addition to other activities such as videos, readings, writings, and discussions. This course is taught in English. No prior knowledge is expected.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. The nature of the topic is selected and its treatment are determined in consultation with the instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

JAPN 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Korean (KORN)

KORN 101 - Korean Language and Culture I

This course is the first in a three course series which will provide an introduction to the Korean language.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

KORN 102 - Korean Language and Culture II

This course is the second in a three course series which will provide an introduction to the Korean language.

Prerequisite: KORN 101^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

KORN 103 - Korean Language and Culture III

This course is the third in a three course series which will provide an introduction to the Korean language.

Prerequisite: KORN 102^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

KORN 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

KORN 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

KORN 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

KORN 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

KORN 202 - Intermediate Korean I

Comprehensive review of Korean grammar with emphasis on developing the students' abilities for proficient oral and written accomplishments.

Prerequisite: KORN 103^D

^D Requires minimum grade of D.

Credits: 3

KORN 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

KORN 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

KORN 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

KORN 306 - Modern Korean Civilization

Course analyzes the most significant characteristics, foreign influences, and cultural traditions that have comprised Korean culture since 1900. Course will be taught in English and is open to all interested students.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. The nature of the topic selected and its treatment are determined in consultation with the instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

KORN 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Leadership (LEAD)

LEAD 101 - Introduction to Leadership

The purpose of this course is to provide students with a fundamental knowledge of leadership and leadership styles. This is an introductory course into the leadership realm and provides students with sound working knowledge of leadership principles. Upon completion of the course, the student will be able to apply basic leadership principles in daily organizational and personal settings, assess different leadership styles, justify their personal style choice, and compare and contrast leadership and management.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

LEAD 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

LEAD 144 - Introduction to Cognitive Studies

The goal of Cognitive Studies is to understand the mind using insights from a variety of fields including Psychology, Computer Science, Linguistics, Philosophy, Anthropology, Sociology, and Neuroscience. Cognitive Science is by definition an interdisciplinary field. The class will cover mental processes such as perception, reasoning, memory, attention, imagery, language, intelligence, thinking, decision-making, and consciousness using an interdisciplinary approach that fits within a liberal arts perspective.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Thematic Thread(s): Transfer Thread Completion Course

LEAD 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LEAD 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

LEAD 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LEAD 215 - Introduction to Consciousness

This class will survey theories of consciousness and self through the scope of a broad range of fields: Neurophysiology, Cognitive Psychology, Philosophy, Artificial Intelligence, Evolutionary Psychology and Physics. Consciousness and the sense of self will be explored and viewed from a number of different disciplines using an interdisciplinary approach.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

LEAD 244 - Artificial Intelligence in Cognitive Studies and Film

Artificial intelligence (AI) is the study of how to realize human intelligence on a computer. Philosophically, it is concerned with replicating consciousness and self-recognition in machines. The goal of AI is to make a computer that can learn, plan, and solve problems. This course will cover fundamental knowledge for understanding AI. We will introduce the history of AI in Cognitive Science and how it has been explored in various popular films.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

LEAD 251 - Leadership Theory

A survey of the nature, purpose and leadership of human institutions: why and how people organize; organizational environments, forms, structures, processes, leadership, communication, ethical, and societal impacts.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

LEAD 253 - Online Practical Research

Students will participate in a leadership workshop online where they will examine 10 leaders via case studies and keep a portfolio with a summation of their findings regarding the various leaders and their actions with respect to the organizational development theory studies in the Introduction to Leadership Course. The course instructor will supervise the students and certify that they met the requirements in the following areas: leadership development, group service, and field-work experience.

Prerequisites: INDP 251^C or CSLD 251^C or LEAD 251^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2.

LEAD 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LEAD 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

LEAD 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LEAD 315 - Mindfulness and Brain

Cognitive Science is the interdisciplinary study of the mind, perception, and sense of self. Many practices in Mindfulness can impact both the mind and body. The several books and research projects on the topic reflect this connection. This class will explore how meditation, mindfulness, Tai Chi and Yoga can affect the brain using an interdisciplinary approach within a liberal arts perspective.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 344 - Left and Right Brain: From Neuron to Culture

This class will explore the differences between the left and right sides of the brain. The class begins with differences in anatomy and physiology and will conclude with how these differences affect personality, culture, art, music, science, and politics. The emphasis will be an interdisciplinary approach within a Liberal Arts framework.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 350 - Multicultural Leadership

Multicultural Leadership compares leadership across cultures and countries, explores the relationship between culture and leadership styles, ideas of cultural diversity and globalization, and a variety of considerations with implications for leading within and across national borders and global regions. This course also explores the challenging but increasingly important task of working across cultures in teams composed of persons from different cultures, ethnicities, racial identifications, and religious and social backgrounds.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 351 - Leadership Practicum

Students will participate in leadership and campus student organization and/or sanctioned activities and will keep a journal relating their activities to leadership and organizational development theory studied in the Introduction to Leadership course. The course instructor will supervise the students and certify that they met the requirements in the following areas: leadership development, group service and field-work experience.

Prerequisites: INDP 251^D or PROF 250^D or CSLD 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 352 - Self Leadership

Before an individual can lead other people or organizations, they must first be able to lead themselves effectively. Self Leadership is a course designed to introduce students to processes, tools and strategies to overcome obstacles and to achieve goals.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 353 - Teambuilding for Leaders

Teambuilding for Leaders exposes students to the techniques, processes and tools to effectively build, lead and motivate multifaceted group of individuals and galvanize them into a functional and effective team oriented on achieving mutually supporting goals.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

LEAD 354 - Strategic Planning and Decision Making for Leaders

Strategic Planning and Decision Making for Leaders introduces students to a process of planning that helps leaders apply thoroughness, clarity, sound judgment, logic, and professional knowledge to understand situations, develop options to solve problems, and reach decisions. This process helps leaders, their staffs, and others think critically and creatively while planning.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 355 - Leadership Development Course

The Leadership Development Course is an experiential lecture and laboratory oriented program where students have the opportunity to connect leadership theory with reality in a controlled, monitored and evaluated environment. Students will get to apply their leadership skills with regard to team development, motivating, relationship development and outcome success while negotiating a myriad of situational obstacles and scenarios.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 450 - Internship

Supervised placement in selected professional agencies.

Credits: 1-12

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 456 - Research in Cognitive Science

The goal of Cognitive Science is to understand the mind using insights from a variety of fields including Psychology, Computer Science, Linguistics, Philosophy, Anthropology, Sociology, and Neuroscience. Cognitive Studies is by definition an interdisciplinary field. Interdisciplinary research comprises a major component to the field. In this course, students will gain experience by conducting a research project.

Prerequisites: (INDP 144^C or CSLD 144^C or LEAD 144^C) and INDP 318^C
^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LEAD 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Library Science (LIBR)

LIBR 110 - Introduction to Library & Information Resources

An introduction to the resources/services of Bailey Library and use of subject-related information. Students will learn how to find, select, analyze, synthesize, integrate, and ethically use information.

Credits: 1

Term(s) Typically Offered: Offered Fall, Winter, & Spring

LIBR 120 - Information Resources for Lifelong Learning

The course is aimed at increasing critical thinking skills for application in professional and real-life situations. Students will learn how to become aware of misinformation, biases, diverse perspectives, and ethical/legal issues that surround all types of information.

Credits: 1

Term(s) Typically Offered: Offered Every Term

LIBR 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

LIBR 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LIBR 210 - Library Research Methods

An introduction to the research process inducing methods for identifying, retrieving, and evaluating information. The aim of this course is to identify an informal need and locate, evaluate, and use appropriate resources. The focus on implementing effective strategies for finding relevant information including the selection and effective use of Bailey Library resources.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

LIBR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

LIBR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LIBR 450 - Internship

The internship provides a structured opportunity for hands-on experience in an academic library, integrating theoretical knowledge with practical applications. It requires regular meetings with the internship supervisor and emphasizes professional communication, learning through technology, and critical thinking skills.

Credits: 1-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

LIBR 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor. Prerequisites: Permission of the instructor

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Management (MGMT)

MGMT 130 - Dynamics of Global Commerce

Exploration of the challenges of business operations in the global marketplace. Topics discussed include the business, economic, social, and political aspects of the global marketplace. This may include, but not be limited to, topics such as e-commerce, entrepreneurship, sustainability, and business ethics.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

MGMT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MGMT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MGMT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MGMT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MGMT 219 - Business Analytics I

Probability and statistics in a business environment, encompassing descriptive statistics, probability theory, hypothesis testing, linear regression and correlation. Cross-listed as ECON 219.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MGMT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MGMT 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MGMT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MGMT 303 - Issues in Global Business

This course will focus on fundamental issues in the modern globalization of business. The topics covered will include the cultural environments in which business work, politics and law in global business, economic integration, global trade and investment, global finance, global operations and managing global businesses. A special emphasis will be placed on the challenges and opportunities presented to global businesses by the social, political and economic diversity encountered in the global marketplace.

Prerequisites: ECON 201^D and ECON 202^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 319 - Business Analytics II

This course introduces various methods on how to analyze large sets of business data in order to uncover potential business opportunities. Students will learn both predictive analytics and prescriptive analytics. The predictive analytics include trend analysis, forecasting techniques, data mining, and spreadsheet modeling. Prescriptive analytics covers linear optimization and decision analysis. Business software such as productivity software, data visualization, and business intelligence software will be heavily used as a main focus of learning.

Prerequisites: (ECON 219^D or MGMT 219^D or STAT 152^D or BUSA 219^D) and (MATH 113^D or MATH 115^D or MATH 117^D or MATH 118^D or MATH 122^D or MATH 123^D or MATH 125^D or MATH 131^D or MATH 210^D or MATH 225^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2, Sophomore 1 or Sophomore 2.

MGMT 320 - Operations Management

Operations strategy and competition, production systems and processes, decision analysis and graphical linear programming, quality management and process control, facility location and layout, work methods and measurement, inventory management and project evaluation review technique (PERT).

Prerequisites: MGMT 219^D or BUSA 219^D or ECON 219^D or MATH 152^D or STAT 152^D or ENGR 340^D or STAT 350^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 341 - Organizational Leadership

This course will include a combination of leadership theory, practice, and application to contemporary organizations. Major challenges will be discussed including the strengths and weaknesses of these firms and ways in which organizational effectiveness can be improved. We will discuss the inextricable relationship between leadership and diversity and the essential nature of a diverse workforce for maximum success through the empowerment of people. Concepts such as strategic thinking, self-leadership, change and globalization are included.

Prerequisite: MGMT 351^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 351 - Organizational Behavior

Study of the satisfaction, motivation, learning, problem solving and growth of persons in organizational settings. Conceptual learning is combined with self-analysis in each area.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 352 - Supply Chain Management

Management science analysis and optimization techniques including linear programming, transportation algorithm, waiting line models, simulation processes, network models, materials requirement planning, and forecasting methods applied to a variety of business operations situations.

Prerequisite: MGMT 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 353 - Development of Management Thought

Contemporary management as the result of an evolutionary process involving the thoughts and writings of many famous management theoreticians and practitioners.

Prerequisites: MGMT 351^D or MGMT 250^D or MGMT 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 354 - Human Resources Management

A survey course emphasizing aspects of the basic processes of HRM including principles, policies, tools and techniques utilized in the human resource function in any organization. Managing human capital encompasses recruiting, hiring, training, development, compensation, and performance management. Managing individuals and groups that include a diversity of backgrounds throughout each function, are core human resource activities and are incorporated in this class through a variety of techniques.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 357 - International Operations Management

Issues critical to globalization of manufacturing operations including global planning and organization, comparison of operations, international operations strategy, managerial issues in global operations.

Prerequisites: MGMT 351^D and MGMT 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 360 - Total Quality Management

Managerial and technological issues that are necessary to understand and implement quality assurance programs including human resource development, strategic planning, management information systems, cost effectiveness, implementation procedures and statistical quality control.

Prerequisites: (MGMT 219^D or BUSA 219^D or ECON 219^D or MATH 152^D or STAT 152^D) and MGMT 351^D and (MRKT 230^D or MKTG 230^D or MRKT 330^D or MKTG 330^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 364 - Recruitment and Selection

Components of an effective selection program including job analysis, employment testing, and selection interviews with emphasis on the legal issues and relevant federal regulations.

Prerequisite: MGMT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 370 - Sustainable Entrepreneurship and Innovation

This integrative course introduces students to issues related to sustainable new venture creation. It includes topics such as the importance of innovation and creativity in opportunity recognition and the design of sustainable business models, industry/market analysis, resource acquisition and disposition, assessing a venture's financial strength, and ethical legal issues. Students will learn the entrepreneurial process while acknowledging multiple stakeholders and addressing social, economic and environmental concerns.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 415 - Supply Chain Analytics

Supply chain analytics is the process of synthesizing massive amounts of data from procurement, production, warehouse, distribution, and consumption to assess and improve supply chain performance. Types of supply chain analytics included in this course are descriptive analytics, predictive analytics, prescriptive analytics, and cognitive analytics.

Prerequisites: MGMT 320^C and MGMT 352^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

MGMT 449 - Sustainable Management Internship

Supervised placement, work, and research in selected public and private organizations.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Sustainable Management or Sustainable Management.

MGMT 450 - Internship

Supervised placement, work, and research in selected public and private organizations.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 451 - Employment Law

This course covers the law as it applies to all aspects of the employer - employee relation, including union activity, discrimination, selection, testing and employment contracts.

Prerequisites: MGMT 351^D or MGMT 250^D or MGMT 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 452 - Management-Labor Relations

This course will explore labor relations, focusing on the interactions between employers, employees, and unions. Students will examine the evolution of unions, collective bargaining, labor laws, and conflict resolution, while addressing contemporary issues including union organizing, the gig economy, globalization, automation, and the changing nature of work.

Prerequisite: MGMT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 453 - Collective Bargaining

The major issues in the negotiation process: bargaining, public policy implications, impasse resolution, strikes, and legislation affecting collective bargaining.

Prerequisites: MGMT 351^D or MGMT 250^D or MGMT 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 454 - Management Seminar

Contemporary methods and theories of management are discussed in terms of current organizational practice.

Prerequisites: MGMT 320^D and MGMT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 455 - Compensation Management

Rationale, composition and administration of employee reward systems considering both the internal organizational factors and external environmental factors. Contemporary issues such as comparable worth, CEO salaries, and the rising cost of benefits are included.

Prerequisite: MGMT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 456 - Management and Society

This course will engage students in exploring the social, ethical, environmental, economic, and political/legal restraints on organizational decision-making that managers face today. Students will develop critical thinking, communication and managerial skills necessary to be effective in a business world, where multiple stakeholder interests must be addressed.

Prerequisite: MGMT 351^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 457 - International Management

Examination of environments, resources, strategies and models of managerial functions in international organizations.

Prerequisite: MGMT 351 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 458 - Business Capstone

Business Capstone uses a web-based business simulation as a learning tool to enhance student understanding of the interaction and influence of an organization's competitive strategy and policy on the functional area of business. Course material includes the sources of competitive advantage, cross-functional integration and management's commitment to ethics and diversity.

Prerequisites: ACCT 209^D and (ACCT 210^D or ACCT 310^D or ACCT 322^D) and ECON 201^D and ECON 202^D and (FIN 320^D or FINA 320^D) and (ECON 219^D or BUSA 219^D or MGMT 219^D) and MGMT 320^D and MGMT 351^D and (MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D) and (ECON 319 (may be taken concurrently)^D or MGMT 319 (may be taken concurrently)^D or MATH 123 (may be taken concurrently)^D or MATH 125^{*D} or MATH 225^{*D}) and (ACCT 340 (may be taken concurrently)^D or BUSA 340 (may be taken concurrently)^D) and (FIN 303 (may be taken concurrently)^D or FINA 303 (may be taken concurrently)^D or MRKT 303 (may be taken concurrently)^D or MKTG 303 (may be taken concurrently)^D or BUSA 303 (may be taken concurrently)^D or MGMT 303 (may be taken concurrently)^D) and (CPSC 365 (may be taken concurrently)^D or MIS 365 (may be taken concurrently)^D or MIS 265^{*D} or ACCT 230 (may be taken concurrently)^D) (may be taken concurrently).
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

MGMT 459 - Sustainable Business Consulting

In this course student teams engage in field-based consulting to analyze actual problem situations involving sustainability for regional businesses.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

MGMT 460 - Training and Development

Training and development as a human resource management function supporting organizational strategic planning including: training needs analysis, training program objectives, training methods, management and organization development methods, program evaluation and cost-benefit analysis, and training budgeting. Current trends in training and development will be covered including computer based training, competency based training and cross cultural training.

Prerequisite: MGMT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 465 - Management of Information Technology

Management and specific technical concepts and techniques applied to the function of providing information technology services to the organization.

Prerequisites: MGMT 250^D or MGMT 351^D or MGMT 251^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 490 - Independent Study

In-depth reading and/or research with the guidance of a faculty member in an area selected by the student. Prerequisites: 12 credits in major courses, application, and permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MGMT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Management Information Systems (MIS)

MIS 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MIS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MIS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MIS 210 - Productivity Software

An in-depth, practical study of existing productivity software packages that focuses primarily on decision-support systems for microcomputers. Projects will involve the use of intermediate and advanced features of various software packages, as well as the use of several packages in finding computer-based solutions to information storage and retrieval problems.

Credits: 3

Term(s) Typically Offered: Offered Every Term

MIS 211 - Information Systems Application Development

The purpose of this course is to introduce the students to the fundamental concepts and models of application development so that they can understand the key processes related to building functioning applications and appreciate the complexity of application development. Students will learn the basic concepts of program design, data structures, programming, problem solving, programming logic and fundamental design techniques for event-drive programs. Program development will incorporate the program development life cycle: gathering requirements, designing a solution, implementing a solution in programming language and testing the completed application.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

MIS 265 - Management Information Systems

Managerial and technological issues that are necessary to understand, establish, manage and use information systems in all functional areas of organizations.

Prerequisites: CPSC 210^D or MIS 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

MIS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MIS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MIS 300 - Challenges of Computer Technology

An in-depth study of the critical issues related to the computerization of society. Ethical, legal, and moral issues raised by the evolution of computer technology will be discussed.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United Stated in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 301 - Practical Computer Security

A practical introduction to the threats present to the online, electronic community, and how to protect yourself and your organization from them. We will explore the connectivity structure of the Internet, along with the security and criminal threats to members of the online community. The legal, ethical and technical issues related to threats such as viruses, worms, and identity theft will be covered.

Prerequisites: CPSC 099^D or CPSC 110^D or CPSC 130^D or CPSC 100^P

^D Requires minimum grade of D.

^P Requires minimum grade of P.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 310 - Business Data Analysis and Visualization

This course covers how data analysts can process data sets from a variety of sources to create information that guides leaders in crafting strategy and tactics which allow an organization to survive and thrive in a turbulent environment. Students will review how business data analysis has been successfully used in the past and learn appropriate processes and a variety of techniques to accomplish effective analyses. Emphasis is on analyzing data, visualizing and interpreting the results of those analyses and translating results into clear and simple insights to aid managerial decision making.

Prerequisites: MIS 210^C or STAT 152^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

MIS 323 - Data Base Systems

Database Systems is a study of relational database concepts as applied to comprehensive information systems. These concepts include data design; modeling; normalization; the use of Structured Query Language (SQL) to define, manipulate and test the database; programmatic access to a database; and practical issues faced by database developers.

Prerequisites: CPSC 130^D or CPSC 146^D or CPSC 210^D or MIS 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Information Systems.

MIS 328 - Exploring Big Data for Business I

Due to the explosion of social media and the computerization of every aspect of social and economic activity, large volumes of structured and unstructured data currently exist. They include weblogs, videos, speech recordings, photographs, health data, e-mails, Tweets and business data. Also, improvements in technology have led to the development of powerful computers that can store and process large volumes of data. This course is to introduce students to the essential information systems and technologies used in manipulating, storing, and analyzing big data. Students will be familiar with highly scalable systems that can be used to accept, store, and analyze large volumes of unstructured data in batchmode and/or real-time.

Prerequisites: MIS 210^C and (ECON 219^C or MGMT 219^C) and (MIS 323^C or CPSC 323^C)

^C Requires minimum grade of C.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment limited to students in a Bachelor of Science degree.

Enrollment limited to students in the Haverlack College of Business college.

MIS 333 - Introduction to Computer Forensics

This is a fundamental course which covers computer forensics. This class covers methods and tools for gaining forensic information from computer systems and networks. It includes case studies of cyber crimes as well as the application and management of cyber forensics. The course introduces students to forensics tools using hands-on experience and the Internet.

Prerequisites: CPSC 099^P or CPSC 100^P or CPSC 110^D or CPSC 130^D or CPSC 210^D or MIS 210^D or (PE 202^D or PHED 202^D)

^P Requires minimum grade of P.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 353 - Business Data Communications and Technologies

This course provides an introduction and overview of computer networks and data communications. provides an understanding of the underlying concepts of computer networking, email, instant messaging (e.g. texting, multimedia messaging). Introduces several software packages used in business data communications. Emphasis is placed on terminology, techniques and issues in business data communications.

Prerequisites: CPSC 210^D or MIS 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

MIS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 401 - Information Systems Security

This course covers key bodies of knowledge and specializations in security and privacy associated with information systems. The course explores the management of various technologies in emerging areas of information assurance including computer and network security, digital forensics, cryptography and biometrics. course concepts include information Assurance, Information Security Governance and Risk Management, Operations Security, Cryptography, Access Control, Physical Security, Telecommunications Security, Business Continuity and Disaster Recovery Planning, Legal and Ethical Issues.

Prerequisites: CPSC 301^D or MIS 301^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 403 - Introduction to Healthcare Information Systems

This course will give an introduction to computer-based information systems as they are applied to the health care industry. Topics will include characteristics of health care data, design and life cycle of HCIS, the information technology supporting HCIS and management issues.

Prerequisites: CPSC 210^D or MIS 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 413 - Systems Analysis

A course in computer-based information systems. Course content includes: foundations of information science, techniques for system development, information architectures, and resource allocations. Case studies are discussed and utilized as class projects.

Prerequisites: CPSC 323^D or MIS 323^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 423 - Advanced Business Database Systems

This course will provide students with advanced skills in database implementation and management with a focus on business systems. It will provide students with a hands-on experience of client-server databases, and the skills to develop one using reputable enterprise relational database management system. They will develop knowledge of creating, querying and maintaining relational database. Students will also learn to use advanced Structured Query Language (SQL) extensively to create integrated business systems to access, retrieve and manipulate business data. Students taking this course are expected to have a basic understanding of relational database concepts, and knowledge of a programming language.

Prerequisite: MIS 323^C

^C Requires minimum grade of C.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Information Systems or Information Systems.

Enrollment limited to students in a Bachelor of Science degree.

Enrollment limited to students with the QUIE attribute.

Enrollment limited to students in the Haverlack College of Business college.

MIS 428 - Exploring Big Data for Business II

This course focuses on Big Data tools and technologies. It is for students who want to become conversant with the terminology and the core concepts behind big data problems, applications, and systems. It is for those who want to start thinking about how utilizing big data might be useful in their business or career. Students will gain skills to implement data-driven approach to decision-making, develop big data solutions to create business intelligence and competitive advantage through the use of analytical techniques and Big Data.

Prerequisites: MIS 210^D and (ECON 219^D or MGMT 219^D) and (MIS 323^D or CPSC 323^D) and MIS 328^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Information Systems or Information Systems.

Enrollment limited to students in a Bachelor of Science degree.

Enrollment limited to students with the QUIE attribute.

Enrollment limited to students in the Haverlack College of Business college.

MIS 443 - Project Management

An introduction to project management in the information systems, or IT development, area. Provides an understanding of the purpose, methods and benefits of process management by exposing the student to the concepts, practices, processes, tools and techniques used in process management for software development.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 450 - Internship

Professional work experience performed as an intern at selected agencies supervised both by the agency and by the Computer Science Department.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 453 - Fundamentals of Enterprise Architecture

This course explores the design, selection, implementation and management of enterprise IT solutions. The focus is on applications and their fit with the hosting organization.

Prerequisites: MIS 323^D and MIS 413^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 490 - Independent Study

Supervised study in a special interest area. Prerequisites: Two computer science courses selected from 370 or above, permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MIS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Marine Science (MRSC)

MRSC 110 - Introduction to Oceanography

An introduction to marine sciences with emphasis on physiography of the ocean basins, waves, tides, near-shore processes, the physical and chemical nature of seawater, circulation, characteristics of marine plant and animal communities, history of oceanography, and law of the sea.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MRSC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MRSC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MRSC 200 - Art Workshop-Painting of the Coastal Area

This workshop is to be an intensive involvement with the esthetic qualities of the seashore and its environs. Paintings using various media (watercolor, oils, acrylics) according to personal preference will be created. Slides and other reproductions of relevant paintings by artists of historical importance will be examined and discussed.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 201 - Art Workshop-Pewter and Marine Jewelry

This workshop will explore pewter and objects found in the near-shore environment as materials for making jewelry and body ornaments. Participants will learn techniques of casting, fabricating, soldering, tinning and bezel setting for the purpose of creating unique pieces.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 204 - Writing about the Sea

A survey of literature from several genre, both fiction and nonfiction, which focuses on maritime themes and topics.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 211 - Field Methods in Oceanography

A course to familiarize students with the dynamic marine environment and field work on board small research vessels, to instruct in the use and application of standard oceanographic instruments and sampling devices and to promote and encourage independent research through the initial stages of scientific projects.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 212 - Navigation

This course covers navigation, i.e. the art and science of safely bringing a boat from one position to another in a body of water. Topics covered are piloting, navigation within sight of land, electronic navigation, radio bearings by radio direction finder, LORAN, OMEGA, radar, celestial navigation, circles of equal altitude, navigational triangle, celestial lines of position, celestial fix, Greenwich Mean Time, Greenwich Hour Angle.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 215 - Marine Wildlife Photography

This class includes an in-depth study of the science of photography and how this relates to the field work of marine biology. The student will develop skills in micro- and macrophotography and an understanding of the science of optics, filter and camera techniques, and darkroom procedures and techniques. The class will learn various chemical processes for color and black/white photography. Specific articles on marine science photography will be used to develop an understanding both within the marine science laboratory and in the field.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 221 - Marine Invertebrates

A study of the invertebrate phyla with emphasis on development, reproduction, structure, function and classification of selected marine organisms. Laboratory field experience will be given in collection, preservation and classification of the phyla.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 241 - Marine Biology

A study of plant and animal life in the marine environment. Emphasis will be on physical and chemical environmental factors affecting the biota in the inter-tidal, open water, and benthic habitats. Common biota characteristic of each habitat will be investigated in terms of their natural history, morphology, and ecological relationships.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 250 - Wetland Ecology

The ecology and management of wetland wildlife with emphasis on the management of wetlands as ecological systems.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 260 - Marine Ecology

A study of the ecology of marine organisms, the relationship of plants and animals to physical, chemical and bio-logical factors and their zonation and communities.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 270 - Coastal Vegetation

In-depth examination of vegetation falling under the marine influence. Identification of same and determination of factors limiting and controlling their distribution.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 280 - Field Biology

An introduction to basic principles of ecology and natural history of selected plants and animals in terrestrial, freshwater, and marine environments. Course is suitable for non-science majors.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 285 - Recreation Management/Development in the Coastal Zone

This course focuses on the recreation component of coastal zone management. The nature, extent, location, and value of coastal recreation behavior will be probed and related to the overall coastal management framework.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MRSC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MRSC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MRSC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MRSC 300 - Behavior of Marine Organisms

Concepts of ethology; discussion and observation of the influences of external and internal factors on the regulation and control of behavior of organisms living in the marine coastal environment.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 310 - The Mammals of Coastal Ecosystems

Distribution, behavior, physiology, adaptations, and ecological relationships of mammals with special emphasis on the mammals of the Delmarva Peninsula. In addition to the lectures and seminars, the laboratory and field work will deal with the productivity, population dynamics, species diversity, ecoenergetics, and behavior of local mammals.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 320 - Marine Microbiology

A survey of methods and concepts of marine microbiology. Attention will be given to technical aspects of sample collection, microbial ecology of the marine environment, enrichment culturing, methods of enumeration and identification with emphasis on marine bacteria.

Prerequisite: BIOL 330^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 330 - Tropical Invertebrates

An introduction to tropical invertebrates. A variety of collection and observation methods will be used to sample near-shore and reef areas. Emphasis will be on systematics and ecology using the communities approach. One week at Wallops will be intensive review of general systematics and ecology of marine invertebrates. The last two weeks in Florida will involve sampling and identifying species and describing ecological communities.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 331 - Chemical Oceanography

Treatment of a wide range of oceanic chemical phenomena, including salinity and age of the oceans, sources and residence times of chemical constituents in seawater, geochemical cycles of mineral resources and trace elements. Sampling and laboratory analysis techniques.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 342 - Marine Botany

A study of marine and marine fringe plants of the Middle Atlantic Coast, their taxonomy, ecology, distribution, life histories, physiology, and economic status. Techniques of collecting, preserving, identifying and herbarium cataloging will be stressed. Exercises in plant ecology and marine microbiology will be included.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 343 - Marine Ichthyology

A study of the fishes. Specimens collected along the eastern seaboard by the students will be used to illustrate the anatomy, physiology and systematics of this major vertebrate group. Field collections will also give students the opportunity to observe the relationships of these animals to their biotic and physical environment.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 344 - Anatomy of Marine Chordates

A course designed to familiarize the students with the qualitative aspects of the speciation process; to lay ground work for understanding the basic and specialized structure of marine chordates; to trace the most obvious or important trends (and their functional significance) in the evolution of this basic structure in various vertebrate lines. The laboratories will be devoted primarily to dissection of representative marine vertebrates, particularly those collected live on field trips.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 345 - Ornithology

Introduces the student to avian fauna of the seacoast and at the same time enables comparison with inland species. In addition to the field work providing visual and vocal identification, lecture material will include information on the distribution, behavior, physiology, and anatomy of birds.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 350 - Physiology of Marine Invertebrates

Mechanisms and regulation of organ function in marine invertebrates with emphasis on homeostasis. Invertebrate examples of fundamental principles and of unique physiological mechanisms.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 362 - Marine Geology

Structure and sedimentology of the ocean basins and shores; methods of exploration, general feature of the ocean basins, and theory of ocean basin evolution.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 364 - Physical Oceanography

A study of the physical properties of the oceans to include: mass and energy budgets; theory of distribution of variables; cause, nature, measurement, analysis and prediction of tides, currents and waves; basic instrumentation in field work.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 394 - Comparative Physiology of Marine Organisms

This course will provide an introduction to the physiology of marine organisms utilizing a comparative approach. The lecture will introduce the topics of respiration, circulation, metabolism, osmoregulation, thermoregulation, locomotion and sensory systems by drawing comparisons between the mechanisms and strategies utilized by a wide range of marine organisms. Laboratory and field work will focus on the physiological responses of marine plants and animals to common environmental stresses such as salt load, temperature variation, depletion of dissolved oxygen, and tidal flux. This will be accomplished through measurements and observations in the field, as well as through experimental manipulations in a laboratory setting.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisites: BIOL 113^C or BIOL 114^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 420 - Marine Micropaleontology

Designed for students majoring in either biological or geological sciences, the course will deal with modern, living representatives of micro-organisms important in the fossil record. Particular emphasis will be on the taxonomy, morphology, evolution and ecological affinities of the Foraminifera (Sarcodina), but other groups, including the Radiolaria, Diatoms and Ostracoda, will also be considered. Laboratory and field aspects will include sample collecting, preparation and analysis.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 431 - Ecology of Marine Plankton

Study of the phytoplankton and zooplankton in marine and brackish environments. Qualitative and quantitative comparisons will be made between the planktonic populations of various types of habitats in relation to primary and secondary productivity.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 432 - Marine Evolutionary

The study of the ecological mechanisms underlying evolutionary processes. This course is broad in scope and requires that students synthesize both evolutionary and ecological concepts and theory into an understanding of how organisms adapt to their environment. Marine, estuarine, and maritime organisms will be used as model systems and processes, which affect marine populations, will be emphasized.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 441 - Biology of Molluscs

The Mollusca is the second largest group of animals and perhaps the most diverse in terms of morphological, ecological and behavioral variations. This course offers an evolutionary, functional, and ecologic approach to studying this important group of organisms.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 451 - Coastal Environmental Oceanography

This course examines the interaction of biological, chemical, physical, geological and ecological ocean processes as applied to coastal environments. Emphasis is placed on environmental management issues of the coastal zone. Topics include water quality analysis, barrier island geology and ecology, estuarine pollution, beach defense and biological implications in areas of coastal up welling and coastal fronts. Specific cases in coastal pollution will be examined from coastal environments around the U.S., including Kepone in the James River, VA, DDT on the Palos Verde Shelf, CA., Eutrophication on the North Carolina Coast, The Exxon-Valdez Oil spill and *Pfisteria* in the coastal waters of N.C. and VA. Cross listed as MARS551.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 457 - Marine Geophysics

A study of the basic geophysical theories about the transmission of shock waves, and gravity and magnetic fields to the understanding and exploration of the continental shelves and marine basins. The student is introduced to the use and limitations of the portable seismic refraction seismograph, gravity meter, and magnetometer.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 458 - Exploration Methods in Marine Geology

A study of geophysical and geologic instruments and techniques used to penetrate the water layer obscuring the ocean bottom topography and geology and the results of some of that effort. Emphasis is on laboratory and field assignments using basic geophysical and geological instruments. The students are introduced to the use, limitations and results of these instruments.

Prerequisites: (EGEO 101^D or EVGE 101^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 459 - Coastal Geomorphology

A study of coastal environments with an emphasis on understanding the inter-relationship among land forms, processes and materials. The student will participate in field studies conducted along high and low wave energy environments.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 464 - Biological Oceanography

Interdisciplinary study of the interactions between biological communities and the ocean environment as seen by distributions of coastal plankton, fish, and benthic invertebrates. Projects will involve boat trips to sample populations and to quantitatively document environmental variables with state of the art equipment, laboratory and field experiments to determine rate processes, and visits to nearby field and government laboratories. Examples of project topics include transport of plankton at barrier island passes, effect of submarine banks on fish populations, ground truth data for satellite imagery, and other current topics in biological oceanography.

Prerequisites: (MARS 110^D or MRSC 110^D) or (EGEO 131^D or EVGE 131^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 490 - Independent Study

Independent research under the guidance of a faculty member.

Prerequisite: Permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. (repeatable up to 6 credits) Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 491 - Coral Reef Ecology

A study of coral reef structure, formation, types, and the relationships of reef organisms to their environment. Emphasis is given to species diversity, identification, symbioses, and effects of temperature, salinity, light, nutrient concentration, predation, and competition on the abundance and the distribution of coral reef organisms.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 492 - Marine Mammals

A study of the distribution, population ecology, behavior, physiology and adaptations of marine mammals. Student projects will entail collecting physiological and behavioral data at field sites and at facilities studying marine mammals.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 493 - Behavioral Ecology

Designed to present animal behavior within an ecological and evolutionary context. Presents mathematical and theoretical framework of behavioral ecology. An in-depth exploration of the ways in which the behavior of animals is influenced by the environment, especially with regard to resource distribution.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 494 - Marine Aquaculture

This course will include the theory and practice of raising organisms for food and for the aquarium trade. Techniques for raising economically important organisms from the egg stage to marketable size and their food supplies will be studied.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MRSC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Marketing (MKTG)

MKTG 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MKTG 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MKTG 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MKTG 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MKTG 230 - Principles of Marketing

An analytical overview of market decision-making including product, pricing, place, and promotional strategies considering the heterogeneity and diversity of customers and markets with respect to their demographic, geographic, psychographic, cultural, and behavioral characteristics.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1 may **not** enroll.

MKTG 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MKTG 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MKTG 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MKTG 303 - Issues in Global Business

This course will focus on fundamental issues in the modern globalization of business. The topics covered will include the cultural environments in which business work, politics and law in global business, economic integration, global trade and investment, global finance, global operations and managing global businesses. A special emphasis will be placed on the challenges and opportunities presented to global businesses by the social, political and economic diversity encountered in the global marketplace.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 331 - Distribution Management

Principles, methods and problems relating to wholesaling, retailing and physical distribution management.

Prerequisites: MRKT 230^D or MKTG 230^D or MRKT 330^D or MKTG 330^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 332 - Business Marketing

A management perspective of the internal and external environments affecting the demand for industrial goods; marketing intelligence and control; and marketing strategy for product, service, channel, price, and promotional components.

Prerequisites: MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 333 - Consumer Behavior

The buying process with emphasis on economic, social, cultural and psychological determinants of consumer choice.

Prerequisites: MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 334 - Advertising Management

Management of advertising, including background, roles, planning, media strategy, message, testing, research, evaluation, and administration of advertising.

Prerequisites: (MRKT 330^D or MKTG 330^D) or (MRKT 230^D or MKTG 230^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 335 - Retail Management

Store location and layout, retail personnel management, merchandising policies and control, and marketing strategy.

Prerequisites: (MRKT 330^D or MKTG 330^D) or (MRKT 230^D or MKTG 230^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 336 - Professional Selling

Provides foundations of sales processes and management to prepare students for careers in selling or sales management.

Prerequisites: MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 338 - E-Commerce

The role, structure, organization, and use of the Internet as a channel of distribution to conduct electronic commerce.

Prerequisites: MKTG 230^D or MRKT 230^D or MKTG 330^D or MRKT 330^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 425 - Marketing Analytics

Marketing analytics is the process of analyzing and utilizing data from the four P's of marketing promotion, placement, product, and pricing for marketing decision making and to assess and improve marketing performance. Types of marketing analytics included in this program are descriptive, predictive, prescriptive, and cognitive.

Prerequisites: (MRKT 430^D or MKTG 430^D) and ECON 319^D

^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

MKTG 430 - Marketing Research

Research methodology as a managerial tool used in problem solving and decision making in marketing.

Prerequisites: (MGMT 219^D or BUSA 219^D or ECON 219^D) and (MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 431 - Marketing Seminar

Advanced topics in marketing with emphasis on the analysis and solution of marketing problems.

Prerequisites: MGMT 320^D and (MRKT 332^D or MKTG 332^D) and (MRKT 333^D or MKTG 333^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 437 - International Marketing

The marketing issues of firms engaged in international business with emphasis on strategies for successful foreign market penetration.

Prerequisites: MRKT 330^D or MKTG 330^D or MRKT 230^D or MKTG 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 450 - Internship

Supervised placement, work, and research in selected public and private organizations.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 490 - Independent Study

In-depth reading and/or research with the guidance of a faculty member in an area selected by the student. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MKTG 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Mathematics (MATH)

MATH 113 - Mathematics as a Liberal Art

A cultural enrichment course, which introduces topics and applications from different branches of mathematics.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

MATH 115 - Financial Mathematics

Methods of solving problems arising from the growth of money through simple and compound interest. Savings accounts, loans, financing, mortgages, depreciation, bonds, pensions and life insurance are included.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Transfer Thread Completion Course

MATH 117 - Quantitative Reasoning

Quantitative reasoning is the application of basic mathematical skills to the analysis and interpretation of real-world quantitative information to draw conclusions that are relevant to people in their daily lives. In this course, students will explore various quantitative models and their interpretations in a way that emphasizes mathematical and statistical reasoning skills. Conceptual understanding will be stressed over manipulative skills. Students will learn to create sophisticated arguments supported by quantitative evidence and clearly communicate them in a variety of formats (using words, tables, graphs, mathematical equations, etc.) as appropriate. Technology, such as spreadsheets, will also be used. This course satisfies the Quantitative Reasoning requirement in the Rock Studies Program. This course is graded A, B, C, NC.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^C Requires minimum grade of C.

Credits: 3

MATH 118 - Elementary Geometry

A survey of Euclidean geometry and related elementary geometrical concepts. This course is not appropriate for those planning to teach geometry at the secondary level, but would be an excellent choice for those who will be teaching mathematics in the elementary school.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Early Childhood Educ-Int'l Ed, School Wellness Education, Health-Physical Educ Teaching, Health and Physical Education, Early Child-Spec Ed-Intl Ed, Early Child/Spec Ed(PK-4)PK-8), Sec Education-English(7-12), Sec Education-French (K-12), Mid Level-Eng&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8), Middle Level-Science (4-8), Sec Ed-Social Stud-Hist (7-12), Secondary Educ-Spanish (K-12), Music Education (PK-12), Music Education (K-12), Music Educ-Voice (K-12), Music Educ-Saxophone (K-12), Music Educ-Instrumental (K-12), Music Educ-Piano (K-12), Elementary School Mathematics, Middle School Mathematics or Art With Certification (K-12).

MATH 120 - Intermediate Algebra

Linear functions, equations, inequalities, polynomials, algebra of functions, rational exponents, quadratic equations and inequalities, systems of equations.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH' or minimum score of 30 in 'ALEKS PPL Assessment'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

MATH 122 - Finite Mathematics with Matrices

The algebra of matrices with applications in linear optimization, algebraic and graphical solutions.

Prerequisites: MATH 120^D or MATH 199^D or minimum score of 60 in 'ALEKS PPL Assessment'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MATH 123 - Introduction to Applied Calculus

The course is compatible with the background and interests of students not majoring in the physical sciences or mathematics. The theorem-proof approach of differential calculus is replaced with the explanation-example approach. The course includes an introduction to exponential and logarithmic functions, limits, derivatives, maxima/minima, and Lagrange multipliers, and applications from business, economics, and finance. Problem-solving with mathematical software will also be emphasized.

Prerequisites: MATH 120^D or MATH 111^D or MATH 199^D or MATH 125^D or minimum score of 60 in 'ALEKS PPL Assessment'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MATH 125 - Precalculus

A bridge between high school algebra and calculus involving polynomial, trigonometric, logarithmic, exponential functions, complex numbers, and the conic sections.

Prerequisites: MATH 120^D or MATH 199^D or minimum score of 60 in 'ALEKS PPL Assessment'

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

MATH 131 - Discrete Mathematics

This course begins the study of the language and concepts needed for higher-level mathematics. Students will learn principles of logic, focusing on logical forms, truth tables, and statement calculus. Students will analyze examples of and complete calculations involving sets, relations, and functions. Students will also receive an introduction to counting techniques and recursion. This course is not a proof-based course.

Prerequisites: MATH 125^D or MATH 225^D or MATH 230^D or minimum score of 75 in 'ALEKS PPL Assessment'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

MATH 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MATH 180 - Introduction to Mathematical Software

An introduction to the appropriate use of mathematical software with emphasis on problem solving. Topics will include mathematical concepts from calculus, linear algebra, and differential equations.

Prerequisite: MATH 225 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered as Needed

MATH 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MATH 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MATH 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MATH 210 - Mathematics for Elementary Teachers I

This course is designed for future K-8 teachers to explore number systems (including definitions, operations, and properties of whole numbers and fractions), numeration systems, proportionality, algebraic thinking, and problem-solving. Emphasis is on conceptual understanding in addition to procedural skill.

Prerequisites: (ACSD 110^D or ESAP 110^D) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Early Childhood Educ-Int'l Ed, School Wellness Education, Health-Physical Educ Teaching, Health and Physical Education, Early Child/Spec Ed(PK-4)PK-8), Early Child/Spec Ed(PK-4)PK-12, Sec Education-English(7-12), Sec Education-French (K-12), Mid Level-Engl&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8), Middle Level-Science (4-8), Sec Ed-Social Stud-Hist (7-12), Secondary Educ-Spanish (K-12), Special Education (PK-12), Music Education (PK-12), Music Education (K-12), Music Educ-Voice (K-12), Music Educ-Saxophone (K-12), Music Educ-Instrumental (K-12), Music Educ-Piano (K-12), Elementary School Mathematics, Middle School Mathematics or Art With Certification (K-12).

MATH 225 - Calculus I

This course begins the study of calculus of functions of one variable. Students will study limits and continuity of real-valued functions. Students will explore the derivative as a rate of change and learn how to calculate derivatives of algebraic and transcendental functions. Applications of the derivative to various physical and other phenomena will be considered. This course also provides an introduction to Riemann integration.

Prerequisites: MATH 125^C or minimum score of 75 in 'ALEKS PPL Assessment'

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

MATH 230 - Calculus II

This course continues the study of calculus of real-valued functions of one variable. Students will learn various techniques of evaluating antiderivatives and approximating definite integrals. These integrals will be used in various applications such as calculating areas and volumes, arc length, work, and solving simple first-order differential equations. Parametric and polar equations and their differential and integral calculus are also considered. Students will also investigate sequences and series, their convergence properties, and the use of power series to represent functions.

Prerequisite: MATH 225^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

MATH 231 - Calculus III

This course continues the study of calculus with the study of functions of several variables. Students will learn about the geometry of two- and three-dimensional space, vector-valued functions, and functions of several variables. Students will investigate these functions with partial derivatives and multiple integration. Vector calculus topics such as Green's, Stokes, and the Divergence Theorems will be covered. Computer software such as Mathematica will be used in problem solving in this course.

Prerequisite: MATH 230^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

MATH 232 - Linear Algebra

In this class, students will learn techniques for solving systems of linear equations and related matrix equations. Vectors and vector spaces will be considered along with properties relating to solving matrix equations. In particular, special care will be taken with real vector spaces and inner product spaces, and how they are used to solve problems with applications in physics and other fields. The eigenvalue/eigenvector problem will also be discussed. Students will be expected to use technology to solve problems in this class.

Prerequisite: MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

MATH 235 - Foundations of Mathematical Proof

This course provides a foundation for writing mathematical proofs. Students will work with common proof techniques such as direct proof, proof by contrapositive, proof by contradiction, and proof by induction, along with the logical bases supporting them. In developing their proof-writing skills, students will work with foundational mathematical concepts such as basic set theory, relations between sets, and functions.

Prerequisites: MATH 225^C and MATH 131^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

MATH 240 - Linear Algebra and Differential Equations

Computational aspects of matrices, determinants, systems of linear equations, vector spaces, linear dependence, Wronskian, characteristic values, elementary differential equations, separable and exact equations, linear differential equations with constant coefficients.

Prerequisite: MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

MATH 280 - Theory of Interest

A rigorous, calculus-based treatment of the theory of interest, including simple and compound interest/discount, continuous force of interest, time value of money, annuities, yield rates, loan repayment, amortization schedules, bonds, yield curves, duration, convexity, immunization techniques, and practical applications. This course is intended to prepare students for the actuarial examination on the theory of interest.

Prerequisite: MATH 230 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

MATH 281 - Actuarial Exam Preparation I

The purpose of this course is to prepare students for The Society of Actuaries" (SOA) first professional examination. Topics will be selected from the SOA syllabus which currently includes general probability theory, univariate and multivariate probability distributions (discrete and continuous), applications involving insurance and risk analysis, and supporting topics from Calculus.

Credits: 1

Term(s) Typically Offered: Offered as Needed

MATH 282 - Actuarial Exam Preparation II

The purpose of this course is to prepare students for The Society of Actuaries" (SOA) second professional examination. Topics will be selected from the SOA syllabus which currently includes time value of money, yield rates, methods of loan repayment, annuities, asset/liability management, immunization, duration, convexity, bonds, stocks, mutual funds, capital budgeting, short sales, spot and forward rates, options, derivatives, futures, and arbitrage.

Prerequisite: MATH 280^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered as Needed

MATH 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MATH 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MATH 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MATH 301 - Differential Equations I

First and second order differential equations, existence and uniqueness theorems, Laplace transforms, systems of linear ordinary differential equations.

Prerequisite: MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 302 - Differential Equations II

A continuation of MATH 301. Series solutions of ordinary differential equations, non-linear systems and stability, partial differential equations.

Prerequisite: MATH 301^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 304 - Geometric Structures

Finite and infinite axiomatic systems, including Euclidean and projective geometrics.

Prerequisite: MATH 235^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 310 - Mathematics for Elementary Teachers II

This course is designed for future K-8 teachers to continue to explore number systems (including definitions, operations, and properties of integers, rational and real numbers), descriptive statistics, basic probability, and measurement and related geometry. Emphasis is on conceptual understanding in addition to procedural skill.

Prerequisite: MATH 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Early Childhood Educ-Int'l Ed, School Wellness Education, Health-Physical Educ Teaching, Health and Physical Education, Early Child/Spec Ed(PK-4)PK-8), Early Child/Spec Ed(PK-4)PK-12, Sec Education-English(7-12), Sec Education-French (K-12), Mid Level-Engl&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8), Middle Level-Science (4-8), Sec Ed-Social Stud-Hist (7-12), Secondary Educ-Spanish (K-12), Special Education (PK-12), Music Education (PK-12), Music Education (K-12), Music Educ-Voice (K-12), Music Educ-Saxophone (K-12), Music Educ-Instrumental (K-12), Music Educ-Piano (K-12), Elementary School Mathematics, Middle School Mathematics or Art With Certification (K-12).

MATH 311 - Deterministic Models of Operations Research

Topics include deterministic methods in operations research. Linear programming, duality, integer programming, dynamic programming, nonlinear programming, inventory theory, transportation and assignment and network theory.

Prerequisites: MATH 231^C or MATH 240^C or (MATH 122^C and MATH 230^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 312 - Stochastic Models of Operations Research

Decision making under uncertainty. Probability, Markov Chains, Poisson processes, Survival Analysis, Queueing Systems, Random Walk, Branching.

Prerequisites: MATH 231^C or MATH 240^C or (MATH 122^C and MATH 230^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 313 - Introductory Analysis I

This course begins the rigorous mathematical study of the real numbers. Topics include cardinality of sets; sequences of real numbers; completeness of the real numbers; topology of the real line including open sets, closed sets, and compact sets; and continuous, real-valued functions. Students will be expected to communicate using mathematical proofs throughout the course.

Prerequisites: MATH 231^C and MATH 235^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 314 - Introductory Analysis II

This course continues the rigorous mathematical treatment of the real numbers that begins in MATH 313. The concepts of differentiation and Riemann integration of real-valued functions on the real line from calculus are explored and made rigorous. Additionally, series of functions are explored, including convergence (pointwise and uniform) and Taylor series. Students will be expected to communicate using mathematical proofs throughout the course.

Prerequisite: MATH 313^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 315 - Numerical Mathematics

The mathematics of computation and approximation, interpolation, calculating the roots of equations, curve fitting linear systems, numerical differentiation and integration and error analysis.

Prerequisites: MATH 240^D or MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

MATH 316 - Advanced Methods of Operations Research

Topics include Brownian motion, stationary processes, weak convergence of stochastic processes, regenerative phenomena, random walks, simulations.

Prerequisite: MATH 312^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 317 - Complex Variables

Complex numbers, analytic functions, complex integration, convergence of sequences and series, and applications.

Prerequisite: MATH 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 320 - Theory of Numbers

A study of the properties of natural numbers and number theoretic functions.

Prerequisite: MATH 235^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 325 - Abstract Algebra I

An introduction to groups. Topics include integers mod n , cyclic groups, permutation groups, normal subgroups, isomorphisms, finite Abelian groups.

Prerequisite: MATH 235^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 326 - Abstract Algebra II

An introduction to rings. Topics include integral domains, fields, polynomial rings.

Prerequisite: MATH 325^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 331 - Mathematical Methods of Physics and Engineering

The course covers a broad spectrum of mathematical methods relevant to physics and engineering. The emphasis is on the use of methods rather than on proofs and derivations. Topics include vector analysis, complex variables, Fourier and Laplace transforms, linear algebra, and some boundary value problems. Cross-listed with PHYS 331. This course may be counted as a physics course or as a mathematics course, but not both.

Prerequisites: MATH 230^D and PHYS 217^D and MATH 231 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 335 - Mathematical Modeling

A general introduction to mathematical modeling involving optimization, dynamic and probabilistic models. Specific topics selected from dimensional analysis, optimization techniques, continuous and discrete modeling, stability analysis, linearization, eigenvalue methods, qualitative analysis, Markov chains, regression models, simulation techniques, and others as time permits.

Prerequisite: MATH 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 403 - Elementary Topology

Topological properties of the real line.

Prerequisites: MATH 309^D and MATH 313^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 406 - Intermediate Analysis

Selected topics.

Prerequisite: MATH 314^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 411 - Partial Differential Equations

This course in partial differential equations has wide-ranging applications in a variety of fields such as engineering and physics. Topics include first order equations and the method of characteristics; an introduction to Fourier series; second order equations including the heat, wave, and Laplace equations; numerical methods for computing solutions; conservation laws.

Prerequisites: MATH 231^C and MATH 301^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 490 - Independent Study

Supervised study in advanced area. Prerequisites: Two 300-level mathematics courses, a 3.000 QPA in major, permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 491 - Mathematics Seminar

Designed to broaden the students' backgrounds by investigating topics in mathematics not usually taught in the regular curriculum. Students may elect to take course up to three times.

Prerequisite: MATH 235^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MATH 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Mechanical Engineering (MECH)

MECH 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MECH 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MECH 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MECH 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MECH 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MECH 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MECH 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MECH 310 - Machines and Mechanisms

Analysis of motion and forces in linkages and mechanisms. Synthesis of plane mechanisms, analysis of cams, gears and gear trains. Fundamentals of vibrations in machines. Analysis techniques include graphical, analytical and computational methods.

Prerequisite: ENGR 240^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 320 - Manufacturing Processes

Introduction to properties and uses of engineering materials. Introduction to mechanical testing methods, metrology, tolerances, testing and inspection; semi-finished product manufacturing; macro-processing (forming, casting, powder metallurgy, metal working, composite fabrication); joining; nontraditional manufacturing processes; and surface processing.

Prerequisites: ENGR 220^D and ENGR 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 330 - Introduction to Mechatronics

Selection of mechanical and electronic components and integration of these components into complex systems. Hands-on laboratory and design experiments with components and measurement equipment used in the design of mechatronic products.

Prerequisites: ENGR 310^D or ENGR 250^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 340 - Heat Transfer

One-, two-, three-dimensional steady state conduction; transient conduction; free and forced convection; radiation; heat exchangers; heat and mass transfer by analytical, numerical analogical and experimental methods; design of thermal systems.

Prerequisites: ENGR 320^D and MATH 301^D and ENGR 301^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 410 - Machine Design

Application of fundamental engineering principles to the design of various elements found in machines. Elements include connections, shafts, keys, couplings, springs, gears, belts, chains, bearings, clutches, brakes, screws, etc.

Prerequisite: ENGR 230^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 411 - Automatic Control Systems

Introduction to theory of feedback and control. Performance and stability of linear systems. Design of feedback control systems. Practical application and introduction to state-space methods.

Prerequisites: ENGR 250^D or ENGR 310^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 412 - Finite Element Analysis

Modern analysis techniques used to investigate a variety of systems in engineering and science. Computational models of problems are developed using energy concepts, structural mechanics, and matrix operations. The methods used are implemented using a general finite element program and the accuracy of the results is evaluated. The learned theoretical approach is applied to common structural elements such as trusses, beams, frames, and plates.

Prerequisite: ENGR 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 420 - Design and Manufacturing

Manufacturing methods and operations. The interaction between design and manufacturing stressed in terms of drawing specifications versus process capability and tolerances, including standards applications and 1 redesign for producibility.

Prerequisite: MECH 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 421 - Mechanical Vibrations

Introduction to mechanical vibrations: single and multi-degree of freedom systems, free and forced vibrations, impedance and modal analysis including applications.

Prerequisites: MECH 410^D and ENGR 240^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 422 - Thermal System Design

Device design and system design of compressors, turbines, heat exchangers, piping systems, internal combustion engines, and other component equipment. Optimization including thermo-economic evaluation and energy analysis.

Prerequisites: MECH 340 (may be taken concurrently)^D and ENGR 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 423 - Additive Manufacturing

Introduction to technologies and processes used to translate virtual solid model data into physical models for prototyping and end-use manufacturing applications. Discussion of design tools and design considerations for additively manufactured components.

Prerequisite: MECH 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 430 - Mechatronics

Instrumentation and measurements emphasizing systems that combine electronics and mechanical components with modern controls and microprocessors. First and second order behavior, transducers and intermediate devices, measurement of rapidly changing engineering parameters, microcontrollers and actuators.

Prerequisite: MECH 330^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 431 - Introduction to Robotics

Introduction to robots and their types. Homogeneous transformations. Kinematic equations and their solutions. Motion trajectories, statics, dynamics, and control of robots. Robot programming. Actuators, sensors and vision systems.

Prerequisites: MATH 232^D and MECH 330^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 440 - HVAC Systems

The analysis and design of heating air conditioning systems. Topics include: psychometrics, comfort & health, heating and cooling loads, solar radiation, air distribution systems and refrigeration.

Prerequisites: MECH 340^D and ENGR 301^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 441 - Sustainable Energy

The technical, economic, environmental and physical resources constraints of energy sources are discussed in terms of both national and global development needs. The current states of both non-renewable and renewable technologies are presented in terms of their potential contribution to sustainable energy resources required for continued viable economic development.

Prerequisite: ENGR 320^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 460 - Capstone Design I

Capstone Design course is the culmination of the educational experience in Mechanical Engineering. The courses require students to draw upon all previous coursework and cultivate new skills in order to solve complex design problems associated with an assigned multidisciplinary group project. This is the first course of a year-long design experience.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Mechanical Engineering.

MECH 461 - Capstone Design II

Capstone Design course is the culmination of the educational experience in Mechanical Engineering. The courses require students to draw upon all previous coursework and cultivate new skills in order to solve complex design problems associated with an assigned multidisciplinary group project. This is the second course of a year-long design experience.

Prerequisite: MECH 460^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Mechanical Engineering.

Enrollment limited to students in the College of Engineering & Science college.

MECH 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MECH 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Military Science (MLSC)

MLSC 100 - The American Military Experience

Establishes a framework of reference regarding military service, an understanding of the profession of arms and its impact on and place in American society. The course begins the Army's leadership development process. Includes a lab. ++

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

MLSC 102 - Principles of Leadership

This course continues the student's introduction to the military organization and begins to teach leadership techniques and principles using military situations as a point of reference. Various academic studies of civilian-based leadership theories and styles are examined and compared to military theories and styles. Includes a lab. ++

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

MLSC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MLSC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MLSC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MLSC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MLSC 201 - Basic Military Skills

Begins to teach basic military skills such as map reading, land navigation using a map and compass, first aid, weapons marksmanship, drill and small unit tactics. Includes a lab. ++

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

MLSC 202 - Intermediate Military Skills

Continues instruction in map reading, land navigation using a map and compass, first aid, weapons marksmanship, drill and small unit tactics. Begins to integrate all skills into leading small units in tactical situations. Includes a lab. ++

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

MLSC 209 - Evolution of Modern Military Art

A survey of the development of all branches of the American military spanning the colonial period to present day, this course includes a brief introduction to the development of the western way of war from pre-Hellenistic conflict through the Middle Ages in Europe. Technological innovation, evolution of tactical through strategic levels of warfare, and the symbiotic relationship between military development, national policy, and societal expectations will be examined.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MLSC 250 - ROTC Basic Leadership Practicum

A five week experience of training and evaluation conducted in a tactical framework at Fort Knox, Kentucky. Students learn basic military skills which enable them to take advanced military science courses on campus.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MLSC 280 - Leadership Seminar

This course involves individualized instruction, research and presentation on research in areas required to fill in a student's knowledge base to be able to move into the ROTC advanced course. This course may be taken only once.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MLSC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MLSC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MLSC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MLSC 301 - Fundamentals of Tactical Operations

Focuses on tactics at the squad level. Students learn the troop leading procedures and how to give both oral and written operations orders. Students continue to enhance their skills at land navigation and rifle marksmanship. Physical fitness conditioning is a mandatory part of the laboratory. Includes a lab. ++

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 302 - Advanced Military Skills

Continues development of intermediate level cadet leader skills in preparation for attendance at the Leadership Development and Assessment Course at Ft. Lewis, Washington. The course is supplementary in scope and includes leadership, written and oral communications, operations and tactics, land navigation, weapons, and radio and wire communications subjects. A laboratory experience is required. ++

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 350 - ROTC Advanced Leadership Practicum

A five week experience of training and evaluation conducted in a tactical framework at Fort Lewis, Washington. Cadets demonstrate and learn advanced military skills. Cadets also demonstrate their leadership skills in a variety of leadership positions in tactical and non-tactical environments.

Prerequisites: (MS 301^D or MLSC 301^D) and (MS 302^D or MLSC 302^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 401 - Leadership Dimensions and Concepts

This course begins the transition from cadet to officer. Focus is on organization of the Army, command and staff functions, officer and noncommissioned officer evaluation system, military law and development of training. Students participate in a staff ride to a significant military battlefield. Includes a lab. ++

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 402 - Officership and the Profession of Arms

This course continues the transition from cadet to officer. Students begin a critical analysis of the role of the officer and the noncommissioned officer, and their interaction, at the platoon, company and battalion level. Students are introduced to joint operations and conduct some critical analysis of national military policy. Includes a lab. ++

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 450 - The Cadet Troop Leadership Internship

A three-week experience as a leader in a U.S. Army unit, under the close supervision of a U.S. Army lieutenant or captain. It gives the student the opportunity to lead real soldiers in a real U.S. Army unit. The intern will actually supervise the planning and execution of the unit's scheduled training.

Prerequisites: (MS 301^D or MLSC 301^D) and (MS 302^D or MLSC 302^D) and (MS 350^D or MLSC 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 490 - Independent Study

In-depth reading and research in an area of particular interest to the student with the guidance of an individual faculty member. This course may be taken only once. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MLSC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Modern Languages (MODL)

MODL 105 - Introduction to Asian Civilizations

This course is an introductory, interdisciplinary course designed to give students a broad understanding of the geographic, historical and religious, cultural, artistic, social, political and economic forces that shape Asia. No prior knowledge is expected. This is a Liberal Studies, Global Community, Non-US course.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course, United States in Global Context

MODL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MODL 151 - Self-Instructional Languages

Self-Instruction in basic language is open to serious students with previous language background. The course is designed to develop the speaking, listening comprehension of the student on a basic level. Course may be repeated in each language up to a maximum of three credits. Not applicable for modern language requirement or liberal studies. Students may choose from any world languages not available in the regular offerings.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MODL 180 - Introduction to World Cultures

This course introduces the study and understanding of World Cultures through the examination of different cultural products that people in specific cultures of the world have created, along with different practices/traditions they perform and their interconnection to the perspectives, worldviews, and identities of that specific world community. This course is taught in English.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MODL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MODL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MODL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MODL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MODL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MODL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MODL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MODL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MODL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MODL 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MODL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MODL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Music (MUSI)

MUSI 029 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements is required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisites: MUSI 127^C and MUSI 236^C

^C Requires minimum grade of C.

Credits: 0

Term(s) Typically Offered: Offered as Needed

MUSI 102 - Exploring World Music

A course designed to survey non-Western musical traditions and practices. Emphasis is given to the music of India, Russia, Japan, Africa, the Middle East, and the American Indian.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Transfer Thread Completion Course, United States in Global Context

MUSI 104 - Exploring American Music

A survey course designed to develop student knowledge and understanding of music composed and performed in the United States between 1620 and the present.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 105 - Exploring Jazz

The stylistic development of jazz and its relevance to society.

Credits: 3

Term(s) Typically Offered: Offerings Vary

MUSI 106 - Introduction to Jazz Performance

This course will introduce the high school music student to jazz pedagogy at the university level. Emphasis will be placed on performing skills, theory, improvisation, ear training and music technology. Course may be repeated up to four credits.

Credits: 1

Term(s) Typically Offered: Offerings Vary

MUSI 107 - Fundamentals of Music

Understanding and using music notation and terminology.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

MUSI 108 - Flute Camp

The SRU "Flute Camp" will give high school flutists an opportunity to be on the SRU campus during the Summer Arts Academy for an intensive 2 week program involving all aspects of flute performance. Follow up involvement of the high school students during the fall semester will consist of their attendance at flute related university events and critical writing about the concerts/rehearsals/master classes they observed during the fall component.

Credits: 1

Term(s) Typically Offered: Offerings Vary

MUSI 109 - Jazz Combo

Students will meet weekly with the appropriate faculty member to work on jazz performance in the small group (combo) setting. Study of phrasing, articulation, jazz theory, improvisation, and other jazz performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. One hour of rehearsal time per week. One credit for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 111 - Introduction to Music Education

This course is designed to introduce the student to the field of music education. This course will be an introduction to planning and preparation for teaching music, including creating an effective classroom environment for teaching music, instructional delivery in music, historical background relevant to music education, copyright laws in the music classroom, instructional planning, diversity, and advocacy. Students will complete their Field Experience Level 1: Observation hours as a requirement of this course.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

MUSI 113 - Saxophone Quartet

Students will meet weekly with the appropriate faculty member to work on literature selected for their performance ability level. Study of phrasing, articulation, balance, blend, intonation, and other performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. Two hours per week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 114 - Symphonic Wind Ensemble

Symphonic Wind Ensemble: A chamber ensemble composed of select musicians chosen by audition, performing contemporary literature as well as transcriptions for winds and percussion. Four and a half hours of week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 115 - Concert Choir

Auditioned mixed chorus of 50-70 singers that studies and performs a variety of music from Renaissance to 21st century, classical to contemporary, a cappella and music accompanied by piano, chamber groups, and symphonic ensembles. Three hours per week rehearsal time. Multiple concerts are presented both on and off campus and on periodic tours. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 116 - University Chorus

University Chorus is a non-auditioned ensemble open to singers from any academic discipline. This ensemble explores the fundamentals of singing and artistry within a collaborative community and through a selection of diverse repertoire. University Chorus has two ensembles that focus on higher voices and lower voices. Each semester, both sections will combine for mixed-voiced instruction on selected repertoire. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 117 - Chamber Singers

An elite chamber choir of 16-24 outstanding singers who perform challenging repertoire with a greater emphasis on a cappella music. Members of this group are expected to display initiative to prepare music to the highest possible level of their ability. Two and one-half hours per week rehearsal time. One or two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Corequisite(s): MUSI 115

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 118 - Marching Pride

The Marching Pride performs during the half time at football games, both home and away, and for other special events. Much of its music is specially arranged. Open to all students. Six hours a week rehearsal during the football season. One to six credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 6 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-6

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 119 - Concert Band

The Concert Band members are carefully selected to provide a balanced instrumentation of the best players. Music written for concert band is the main repertoire. Concerts on campus. Four hours a week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 120 - Jazz Ensemble

The SRU Jazz Ensemble performs jazz literature from all eras of jazz history including big band, bop, hard bop, fusion and contemporary. This ensemble often performs with guest artists of national and international stature, both on and off campus. Membership in this ensemble requires an audition. Three hours and forty-five minutes of rehearsal per week. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 121 - Symphony Orchestra

Symphony Orchestra is an ensemble of musicians chosen by audition which performs a selection of diverse orchestral repertoire from the Baroque period to the present. Rehearsals will be four hours a week. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 122 - Chamber String Ensemble

The Chamber String Ensemble is a small ensemble selected for the study and performance of chamber music written for strings. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 123 - Brass Ensemble

The university's Brass Ensemble is a select ensemble of brass (and percussion) players who study and perform music from all historical periods. Both large brass choir works and small chamber brass works are performed. The ensemble performs on and off campus. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 124 - Woodwind Ensemble

The Woodwind Ensemble is a small select ensemble of woodwind players who study and perform music for woodwinds from all historical periods. Three hours a week rehearsal time. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 125 - Percussion Ensemble

This small select ensemble of percussionists studies and performs music composed and transcribed for both percussion and mallet ensembles. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 126 - Flute Choir

The SRU Flute Choir is made up of a select group of flutists who will rehearse and perform a variety of music written for flute ensemble. Audition required. Two and a half hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 127 - Orientation to Music Therapy

Orientation to the field of music therapy through lectures, readings, and viewing music therapy sessions. The course includes an overview of music therapy history, principles, ethics, and foundations through a survey of music therapy literature and clinical applications.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

MUSI 128 - Applied Alexander Technique

This course is an introduction to the Alexander Technique in which the students will examine their habitual movement patterns in order to encourage positive energy usage within the body. This technique heightens kinesthetic sensitivity, offering performers a control that is fluid and lively, thus lessening chances of performance injury. The principles of this technique are based on an understanding of human anatomy, which promotes ease, and freedom of movement, balance, flexibility, and coordination. Course may be repeated up to two credits.

Credits: 1

Term(s) Typically Offered: Offerings Vary

MUSI 129 - Guitar, Ukulele, & Bass Methods

A music education course designed to prepare music education majors to teach guitar, ukulele, string bass, and electric bass in elementary and secondary schools. It will also prepare students with the functional skills to use the guitar and ukulele as accompanying instruments.

Credits: 1-2

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Music Education (PK-12) or Music Education (K-12).

MUSI 130 - Exploring Music

A survey course designed to develop the student perception and understanding of changing musical styles and practices in Western culture. Studying and experiencing the arts, including dance, music, theatre, and the visual arts, develops creative and aesthetic abilities. The arts introduce students not only to artists and their creations, but also to history, cultures, values, technique, imagination, creativity, and issues relevant to society. Students will gain an understanding of the creative process and how to analyze and interpret message and meaning in works of art. While the arts can bring us pleasure, they can also serve to enlighten and illuminate critical issues, lead to personal discoveries, and foster innovation in all fields. Students will learn to think critically about the arts, develop an appreciation for artistic creations, and by viewing live performances and exhibitions, become engaged audience members. Arts inquiry courses use and develop the analytic and interpretive modes of inquiry needed to understand and explore both tangible and abstract artistic works and the cultures in which they exist. In arts inquiry courses, students confront a variety of cultural and artistic expressions in order to gain an understanding of the human condition, and ultimately express their relationship to artistic work, meaning, and the creative process. Attendance at arts events will be required during this course and may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Every Term

MUSI 131 - Class Piano I

For beginners with no previous keyboard experience. Fundamentals of note reading, beginning piano repertoire, melody harmonization and improvisation. Of particular value to the student desiring to gain a working knowledge of the piano either as a classroom tool or for personal use. Music majors only.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with department of Music.

MUSI 132 - Class Piano II

Continued development of skills begun in Class Piano I (MUSI 131). Music majors only.

Prerequisite: MUSI 131^D^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 133 - Class Voice I

Designed for the purpose of studying basic singing technique and thereby producing a good vocal tone; valuable to the student interested in improving his/her vocal skill. Music majors only.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 134 - Functional Voice Skills

The course will focus on enhancing functional voice skills and emphasize vocal techniques in a variety of styles via individual teaching demonstrations through individual student performance, self-accompanied student performance, and diction studies, including Spanish. The course will enable students to improve their ability to apply vocal principles to various settings, including within the field of music therapy. Music majors only.

Prerequisite: MUSI 133^D^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 137 - Functional Guitar for Music Therapy I

A study of the fundamental concepts needed to play and teach beginning guitar. Students must provide their own instruments.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 138 - Functional Guitar for Music Therapy II

Continued development of skills begun in Class Guitar I (MUSI 137).

Prerequisite: MUSI 137^C^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

MUSI 140 - Low Brass Methods

A study of the fundamental concepts and skills needed to play and teach trombone, baritone horn, euphonium, and tuba to homogeneous and heterogeneous instrument groups in pre-K-12 instrumental music education setting. This includes the integration and application of national and state standards for music education.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students in the College of Liberal Arts college.
Enrollment limited to students with department of Music.

MUSI 151 - Music Theory and Musicking I

Through a popular music “sound before sight” approach, students will learn the foundation of pitches in a diatonic scale; basic rhythms and meters; intervals, major and natural minor solfège—all through informal learning techniques. As the semester progresses, notation and sight-singing will be introduced for a smooth transition into written music theory.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

MUSI 154 - Musicianship Skills I

Students will develop aural and rhythmic skills through basic rhythm reading, sight-singing in major keys, intervals and pattern recognition, simple and compound meters, and basic harmonic progressions.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 165 - Applied Performance Voice

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 165, 265, 365 may each be taken two times for a total of 18 credits; MUSI 465 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 166 - Applied Performance Piano

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 166, 266, 366 may each be taken two times for a total of 18 credits; MUSI 466 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 167 - Applied Performance Strings

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 167, 267, 367 may each be taken two times for a total of 18 credits; MUSI 467 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 168 - Applied Performance Woodwind

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 168, 268, 368 may be taken two times for a total of 18 credits; MUSI 468 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 169 - Applied Performance Brass

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 169, 269, 369 may each be taken two times for a total of 18 credits; MUSI 469 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 170 - Applied Performance Percussion

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 170, 270 and 370 may each be taken two times for a total of 18 credits; MUSI 470 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 179 - Applied Piano

Applied Piano develops students' technical skills, musicality, and performance abilities through individualized weekly lessons. Instruction focuses on technique, including hand position, articulation, pedaling, and phrasing, while building effective practice habits. Students will explore a diverse repertoire, ranging from classical works to contemporary and culturally varied pieces, enhancing their artistry and confidence in performance.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 181 - Applied Voice

Applied Voice enhances students' technical skills, musicality, and performance abilities in singing through individualized lessons each week. Lessons focus on healthy vocal techniques, including respiration, phonation, articulation, registration, resonance, and alignment, and are tailored to each student's unique strengths and goals. Students will develop effective practice methods and authentic musical interpretations of assigned repertoire, which includes art songs in English and diverse languages, as well as operatic, non-classical, and culturally diverse music.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 182 - Applied Strings

Applied Strings develops students' technical skills, musicality, and performance abilities on a range of string instruments, including violin, viola, cello, double bass, and guitar. In individualized weekly lessons, students focus on tone production, intonation, articulation, phrasing, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 183 - Applied Brass

Applied Brass develops students' technical skills, musicality, and performance abilities on a range of brass instruments (trumpet, trombone, tuba, euphonium, and horn). In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 184 - Applied Woodwinds

Applied Woodwinds develops students' technical skills, musicality, and performance abilities on a range of woodwind instruments. In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 185 - Applied Percussion

Applied Percussion develops students' technical skills, musicality, and performance abilities on a range of percussion instruments, including snare drum, marimba, timpani, vibraphone, and various hand percussion instruments. In individualized weekly lessons, students focus on tone production, rhythm, dynamics, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 189 - Integrated Musicking Across Contexts I

This course is designed to prepare students in fundamental skills for musicking across a variety of contexts for music and wellness. It includes ways of musicking including music listening for relaxation and musical games for reminiscence; learning basic skills on piano, guitar, and percussion; leading, accompanying and singing songs in a variety of genres with simple piano and guitar accompaniments; adapting, arranging, transposing and simplifying songs; improvising on piano, guitar, pitched and unpitched percussion instruments, and vocally; composing songs; and learning basic skills in music technology.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

MUSI 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MUSI 192 - Tuba-Euphonium Ensemble

The SRU Tuba-Euphonium Ensemble is comprised of tuba and euphonium players who rehearse and perform a variety of music written for tuba-euphonium ensemble. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 193 - Jazz Lab Band

The SRU Jazz Lab Band is a rehearsal ensemble that performs one concert per academic semester. The group does require an audition which takes place in the first week of the Fall semester. If openings occur in the Spring semester, the director will hold an audition for the open seats only. The ensemble rehearses big band literature from every stylistic period in jazz history. The focus of the course is on developing sight-reading, jazz performance practice and techniques, stylistic interpretation, foundational ensemble techniques, jazz band rehearsal techniques, and exposure to the literature, history, and composers of jazz music. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 194 - World Percussion Ensemble

The SRU World Percussion Ensemble rehearses and performs the percussion music of cultures outside of Western Europe and the United States, concentrating on, but not exclusive to, the Caribbean (Trinidad and Tobago, Cuba, The Dominican Republic, and Puerto Rico), Asia (Japan, India, and Korea), South America (Brazil), and West Africa. Students learn the instruments, techniques, some choreography (when appropriate), and musical styles in multiple genres for at least one public performance each academic semester. The ensemble rehearses and performs on authentic instruments (whenever possible) or modern, commercially available substitutes. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MUSI 196 - Winter Guard

The Slippery Rock University Winter Guard is the indoor color guard performing ensemble. In this performing ensemble, students will combine the use of flags, sabers, mock rifles, and other equipment, as well as dance and interpretive movement, in shows for public performance and competition. Held in the spring semester the group performs in competition as part of the indoor marching arts circuit as well as for campus and community events. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson.

Credits: 1-2

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MUSI 199 - Fundamental Skills in Music Therapy

Designed to prepare music therapy majors in fundamental clinical skills in music therapy necessary for working with a variety of client populations. It includes identifying client needs, delineating goals and objectives, task analysis and treatment strategies (re-creative techniques) through the application of functional music skills. Group processes and leadership techniques appropriate for various clientele.

Prerequisites: MUSI 127^C and MUSI 137^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

MUSI 201 - Studies in Children's Music

Listening, moving, playing instruments, singing and creating using repertoire suitable for children of various developmental levels.

Credits: 3

Term(s) Typically Offered: Offerings Vary

MUSI 203 - Musician's Health

This course is designed for music students, performing arts majors or any student who desires a deeper understanding of musicianship and performing artist wellness. An emphasis on healthy living for the performer including elimination of risk for injury will be discussed. The course will explore concepts such as ergonomics, good posture, and breathing and support. Students will learn about concepts such as effective practicing and the brain's perception of sound. Students will learn to identify and correct problems facing the performer when they arise.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

MUSI 204 - Art and Science of Performing

This course focuses on how to define, detect, and manage performance anxiety. Students will learn about the body's innate response to stress and pressure situations, and how to recognize maladaptive responses to pressure situations. Students will learn about conventional methods for treating performance anxiety as well as unconventional methods including self-analysis, meditation, guided imagery, and the Alexander technique. Pre-performance routines such as centering will be discussed. Students will learn about tools such as engaged practicing that will help to produce better performances. The concept of flow state will also be discussed.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 205 - Music in Recreation

A practical study of the ways and means of planning effective music programs for leisure and recreation and developing the competencies needed by a music leader in recreation.

Credits: 3

Term(s) Typically Offered: Offerings Vary

MUSI 206 - Fundamentals of Conducting

In this course, students will learn the foundational skills necessary to conduct both instrumental and vocal ensembles. As an introductory course, it will serve as a catalyst for developing the lifelong conductor-practitioner regardless of area emphasis - vocal or instrumental. Fundamental skills that will be developed include, but are not limited to: conducting patterns in stationary focal point conducting, expressive gesture, baton technique and basic transpositions.

Prerequisites: MUSI 253^D and MUSI 256^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with department of Music.

MUSI 208 - Clarinet and Saxophone Methods

A study of the fundamental concepts and skills needed to play and teach clarinet and saxophone to homogeneous and heterogeneous instrument groups in pre-K-12 instrumental music education setting. This includes the integration and application of national and state standards for music education.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students in the College of Liberal Arts college.

Enrollment limited to students with department of Music.

MUSI 209 - Jazz Combo

Students will meet weekly with the appropriate faculty member to work on jazz performance in the small group (combo) setting. Study of phrasing, articulation, jazz theory, improvisation, and other jazz performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 212 - Fundamentals of Conducting Lab

This course is the lab component to MUSI 206: Fundamentals of Conducting and will include application of conducting skills through time on the podium.

Prerequisites: MUSI 253^C and MUSI 256^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students in the College of Liberal Arts college.

Enrollment limited to students with department of Music.

MUSI 213 - Saxophone Quartet

Students will meet weekly with the appropriate faculty member to work on literature selected for their performance ability level. Study of phrasing, articulation, balance, blend, intonation, and other performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. Two hours per week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 214 - Symphonic Wind Ensemble

Symphonic Wind Ensemble: A chamber ensemble composed of select musicians chosen by audition, performing contemporary literature as well as transcriptions for winds and percussion. Four and a half hours of week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 215 - Concert Choir

Auditioned mixed chorus of 50-70 singers that studies and performs a variety of music from Renaissance to 21st century, classical to contemporary, a cappella and music accompanied by piano, chamber groups, and symphonic ensembles. Three hours per week rehearsal time. Multiple concerts are presented both on and off campus and on periodic tours. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 216 - University Chorus

University Chorus is a non-auditioned ensemble open to singers from any academic discipline. This ensemble explores the fundamentals of singing and artistry within a collaborative community and through a selection of diverse repertoire. University Chorus has two ensembles that focus on higher voices and lower voices. Each semester, both sections will combine for mixed-voiced instruction on selected repertoire. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 217 - Chamber Singers

An elite chamber choir of 16-24 outstanding singers who perform challenging repertoire with a greater emphasis on a cappella music. Members of this group are expected to display initiative to prepare music to the highest possible level of their ability. Two and one-half hours per week rehearsal time. One or two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Corequisite(s): MUSI 215

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 218 - Marching Pride

The Marching Pride performs during the half time at football games, both home and away, and for other special events. Much of its music is specially arranged. Open to all students. Six hours a week rehearsal during the football season. One to six credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 6 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-6

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 219 - Concert Band

The Concert Band members are carefully selected to provide a balanced instrumentation of the best players. Music written for concert band is the main repertoire. Concerts on campus. Four hours a week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 220 - Jazz Ensemble

The SRU Jazz Ensemble performs jazz literature from all eras of jazz history including big band, bop, hard bop, fusion and contemporary. This ensemble often performs with guest artists of national and international stature, both on and off campus. Membership in this ensemble requires an audition. Three hours and forty-five minutes of rehearsal per week. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 221 - Symphony Orchestra

Symphony Orchestra is an ensemble of musicians chosen by audition which performs a selection of diverse orchestral repertoire from the Baroque period to the present. Rehearsals will be four hours a week. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 222 - Chamber String Ensemble

The Chamber String Ensemble is a small ensemble selected for the study and performance of chamber music written for strings. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 223 - Brass Ensemble

The university's Brass Ensemble is a select ensemble of brass (and percussion) players who study and perform music from all historical periods. Both large brass choir works and small chamber brass works are performed. The ensemble performs on and off campus. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 224 - Woodwind Ensemble

The Woodwind Ensemble is a small select ensemble of woodwind players who study and perform music for woodwinds from all historical periods. Three hours a week rehearsal time. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 225 - Percussion Ensemble

This small select ensemble of percussionists studies and performs music composed and transcribed for both percussion and mallet ensembles. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 226 - Flute Choir

The SRU Flute Choir is made up of a select group of flutists who will rehearse and perform a variety of music written for flute ensemble. Audition required. Two and a half hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 228 - Therapeutic Musical Strategies

Designed to further prepare music majors in various therapeutic musical strategies (receptive and compositional techniques) through the application of functional music skills, group processes and leadership techniques appropriate for various clientele.

Prerequisites: MUSI 127 (may be taken concurrently)^C and MUSI 137^{*C} and MUSI 138^{*C} and MUSI 199^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

MUSI 229 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisite: MUSI 127^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 230 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 234 - Class Piano III

Continued development of skills acquired in Class Piano II to prepare music majors for piano proficiency exam, including sight-reading, transposition, playing by ear, technique and repertoire. Music majors only.

Prerequisite: MUSI 132^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 235 - Class Piano IV

Continued development of skills acquired in Class Piano III to prepare music majors for piano proficiency exam, including sight-reading, transposition, playing by ear, technique and repertoire. Music majors only.

Prerequisite: MUSI 234^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 236 - Music Therapy Assessment, Measurement and Evaluation

This course will present professional standards of music therapy practice including assessment, documentation, and evaluation; as well as techniques and application of behavioral observation and measurement in music therapy.

Prerequisite: MUSI 127^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

MUSI 237 - Opera Performance

Performance of scenes, arias, or full operas, taking into consideration the interest and skill of each student. Four hours of rehearsal per week; more rehearsal as needed in weeks leading to performance. One to four credits for every semester of satisfactory participation is granted for this music performance group. Additional repeats are possible with a waiver from the department chairperson. Each course number may be repeated up to five times.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 239 - Chamber Music Performance

In this course, students study and perform music in instrumental and/or vocal combinations from a variety of style periods. Consultation with instructor is recommended prior to enrolling. The course may be repeated up to twenty credits.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 245 - Brass Methods

A study of the fundamental concepts needed to play and teach beginning brass instruments (French horn, trumpet, trombone, baritone horn, tuba) both as soloists and in ensemble.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 247 - Percussion Methods

A study of the fundamental concepts needed to play and teach beginning percussion instruments (pitched and non-pitched).

Credits: 1-2

Term(s) Typically Offered: Offered Fall Terms

MUSI 249 - Integrated Musicking Across Contexts II

This course builds on what was taught in MUSI 189 and is designed to further prepare students in fundamental skills for musicking across a variety of contexts for music and wellness. It includes ways of musicking including music listening for various approaches to music and relaxation; building skills on piano, guitar, and percussion; leading, accompanying and singing songs in a variety of genres with piano and guitar accompaniments; adapting, arranging, transposing and simplifying songs; improvising on piano, guitar, pitched and unpitched percussion instruments, and vocally; composing songs; and learning sound equipment basics and creating, working with, and editing loops.

Prerequisite: MUSI 189^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

MUSI 253 - Music Theory and Analysis II

This course is a continuation of Music Theory and Musicking I and introduces the fundamentals of melodic and harmonic composition in the diatonic tonal style. Mastery of basic theoretical analytical techniques, Roman numeral analysis, and figured bass composition leads to a study of two-voice counterpoint and its application in four-voice part writing using tonic and dominant harmonies.

Prerequisite: MUSI 151^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

MUSI 254 - Music Theory and Analysis III

This course continues building upon the concepts of diatonic dominant function from Music Theory and Analysis II, expanding to the full range of harmonic progressions within the diatonic scale. Through analysis, composition, model counterpoint, orchestration, and arranging, students will apply these methods to representative works from several historical stylistic periods.

Prerequisite: MUSI 253^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

MUSI 256 - Musicianship Skills II

Building upon Musicianship Skills I, this course further develops aural and rhythmic skills through minor key sight-singing, complex rhythm reading, expanded interval and pattern recognition, transitions between simple, compound, and uneven meters, and foundational harmonic progressions in minor.

Prerequisites: MUSI 154^C and MUSI 253^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

MUSI 257 - Musicianship Skills III

Building upon Musicianship Skills II, this course advances aural and rhythmic skills with a focus on more intricate melodic lines, advanced rhythm reading in mixed and asymmetric meters, wider interval recognition, and harmonic progressions in both minor and major modes.

Prerequisites: MUSI 256^C and MUSI 254^{*C} (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

MUSI 265 - Applied Performance Voice

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 165, 265, 365 may each be taken two times for a total of 18 credits; MUSI 465 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 266 - Applied Performance Piano

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 166, 266, 366 may each be taken two times for a total of 18 credits; MUSI 466 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 267 - Applied Performance Strings

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 167, 267, 367 may each be taken two times for a total of 18 credits; MUSI 467 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 268 - Applied Performance

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 168, 268, 368 may be taken two times for a total of 18 credits; MUSI 468 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 269 - Applied Performance Brass

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 169, 269, 369 may each be taken two times for a total of 18 credits; MUSI 469 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 270 - Applied Performance Percussion

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 170, 270 and 370 may each be taken two times for a total of 18 credits; MUSI 470 may be taken four times for a total of 12 credits.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 275 - Keyboard Music

This course will examine the music literature for western keyboard instruments using live and recorded performances.

Credits: 3

Term(s) Typically Offered: Offerings Vary

MUSI 276 - Songs & Singers

This course will examine music literature for voice. Areas of consideration include solo songs, opera, oratorios, and vocal chamber music.

Credits: 3

Term(s) Typically Offered: Offerings Vary

MUSI 278 - Literature of the American Musical Theater

A study of the changing styles in the musical theater from 1860 to current Broadway musicals, rock operas, and operetta. Study conducted through the use of recordings, scores and participation.

Credits: 3

Term(s) Typically Offered: Offered as Needed

MUSI 279 - Applied Piano

Applied Piano develops students' technical skills, musicality, and performance abilities through individualized weekly lessons. Instruction focuses on technique, including hand position, articulation, pedaling, and phrasing, while building effective practice habits. Students will explore a diverse repertoire, ranging from classical works to contemporary and culturally varied pieces, enhancing their artistry and confidence in performance.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with department of Music.

MUSI 281 - Applied Voice

Applied Voice enhances students' technical skills, musicality, and performance abilities in singing through individualized lessons each week. Lessons focus on healthy vocal techniques, including respiration, phonation, articulation, registration, resonance, and alignment, and are tailored to each student's unique strengths and goals. Students will develop effective practice methods and authentic musical interpretations of assigned repertoire, which includes art songs in English and diverse languages, as well as operatic, non-classical, and culturally diverse music.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment limited to students with department of Music.

MUSI 282 - Applied Strings

Applied Strings develops students' technical skills, musicality, and performance abilities on a range of string instruments, including violin, viola, cello, double bass, and guitar. In individualized weekly lessons, students focus on tone production, intonation, articulation, phrasing, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment limited to students with department of Music.

MUSI 283 - Applied Brass

Applied Brass develops students' technical skills, musicality, and performance abilities on a range of brass instruments (trumpet, trombone, tuba, euphonium, and horn). In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment limited to students with department of Music.

MUSI 284 - Applied Woodwinds

Applied Woodwinds develops students' technical skills, musicality, and performance abilities on a range of woodwind instruments. In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment limited to students with department of Music.

MUSI 285 - Applied Percussion

Applied Percussion develops students' technical skills, musicality, and performance abilities on a range of percussion instruments, including snare drum, marimba, timpani, vibraphone, and various hand percussion instruments. In individualized weekly lessons, students focus on tone production, rhythm, dynamics, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment limited to students with department of Music.

MUSI 289 - Integrated Musicking Across Contexts III

This course builds on what was taught in MUSI 249 and is designed to further prepare students in fundamental skills for musicking across a variety of contexts for music and wellness. It includes ways of musicking including music listening for music guided imagery and song communication; building skills on piano, guitar, and percussion; leading, accompanying and singing songs in a variety of genres with piano and guitar accompaniments; adapting, arranging, transposing and simplifying songs; improvising on piano, guitar, pitched and unpitched percussion instruments, and vocally; composing simple songs; and using music technology to record and edit real audio and for looping live.

Prerequisite: MUSI 249^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

MUSI 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MUSI 291 - Field Experience in Music 2: Pre-K Experience

In this course, students will complete Field Experience Level 2: Exploration by observing and assisting in a pre-K music class taught by a certified music educator with teaching experience with pre-K students.

Prerequisite: MUSI 111^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms
Enrollment is limited to students with a program in Music Education (PK-12), Music Education (K-12), Music Education or Music Ed: Early Childhood.
Enrollment limited to students in the College of Liberal Arts college.

MUSI 292 - Tuba-Euphonium Ensemble

The SRU Tuba-Euphonium Ensemble is comprised of tuba and euphonium players who rehearse and perform a variety of music written for tuba-euphonium ensemble. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 293 - Jazz Lab Band

The SRU Jazz Lab Band is a rehearsal ensemble that performs one concert per academic semester. The group does require an audition which takes place in the first week of the Fall semester. If openings occur in the Spring semester, the director will hold an audition for the open seats only. The ensemble rehearses big band literature from every stylistic period in jazz history. The focus of the course is on developing sight-reading, jazz performance practice and techniques, stylistic interpretation, foundational ensemble techniques, jazz band rehearsal techniques, and exposure to the literature, history, and composers of jazz music. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 294 - World Percussion Ensemble

The SRU World Percussion Ensemble rehearses and performs the percussion music of cultures outside of Western Europe and the United States, concentrating on, but not exclusive to, the Caribbean (Trinidad and Tobago, Cuba, The Dominican Republic, and Puerto Rico), Asia (Japan, India, and Korea), South America (Brazil), and West Africa. Students learn the instruments, techniques, some choreography (when appropriate), and musical styles in multiple genres for at least one public performance each academic semester. The ensemble rehearses and performs on authentic instruments (whenever possible) or modern, commercially available substitutes. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

MUSI 296 - Winter Guard

The Slippery Rock University Winter Guard is the indoor color guard performing ensemble. In this performing ensemble, students will combine the use of flags, sabers, mock rifles, and other equipment, as well as dance and interpretive movement, in shows for public performance and competition. Held in the spring semester the group performs in competition as part of the indoor marching arts circuit as well as for campus and community events. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson.

Credits: 1-2

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

MUSI 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

MUSI 299 - Diction for Singers

In this study of language diction for singers, students will learn the International Phonetic Alphabet and apply it to the singing of English and Italian songs. The course is open to all voice majors.

Prerequisites: MUSI 133^D or MUSI 181^D

^D Requires minimum grade of D.

Credits: 1-2

Term(s) Typically Offered: Offered Fall Terms Even

MUSI 300 - Marching Band Techniques

Planning and preparation of halftime shows using computer-assisted design software with an emphasis on drill design, sound and visual coordination, and ensemble instruction. Students will study marching band pedagogy, develop leadership skills, and apply hand charting techniques to explore effective teaching strategies for contemporary marching arts.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 301 - Women and Music

Explores the musical contributions of women, a group often excluded from studies of music history, from the Middle Ages to the present. Emphasis will be placed on the changing roles of and attitudes towards women as composers, performers, teachers, writers, patrons, and instrument-builders. Focus will be on the music itself, as well as reception history and historical and sociological context. There will also be discussion on the role of gender in shaping musical ideology and experiences.

Prerequisite: MUSI 101^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 303 - Integrated Musicking Across Contexts IV

This course builds on what was taught in MUSI 289 and is designed to further prepare students in fundamental skills for musicking across a variety of contexts for music and wellness. It includes ways of musicking including music listening for entrainment and life review; building advanced skills on piano, guitar, and percussion; leading, accompanying and singing songs in a variety of genres with piano and guitar accompaniments; adapting, arranging, transposing and simplifying songs; improvising on piano, guitar, pitched and unpitched percussion instruments, and vocally; composing songs without words and producing rap tracks; and using music technology to recreate rap and hip hop, adding effects, and sharing music.

Prerequisite: MUSI 289^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 304 - Orchestral String Methods

A study of the fundamental concepts needed to play and teach beginning orchestral string instruments. No previous experience required. Instruments are provided by the university.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 309 - Jazz Combo

Students will meet weekly with the appropriate faculty member to work on jazz performance in the small group (combo) setting. Study of phrasing, articulation, jazz theory, improvisation, and other jazz performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. One hour of rehearsal time per week. One credit for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 312 - Music Therapy for Children

Application of music therapy techniques and materials in all areas of behavioral health and special education for children and adolescents.

Prerequisites: MUSI 236^C and (SPED 121 (may be taken concurrently)^C or SPED 122^{*C}) (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 313 - Saxophone Quartet

Students will meet weekly with the appropriate faculty member to work on literature selected for their performance ability level. Study of phrasing, articulation, balance, blend, intonation, and other performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. Two hours per week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 314 - Symphonic Wind Ensemble

Symphonic Wind Ensemble: A chamber ensemble composed of select musicians chosen by audition, performing contemporary literature as well as transcriptions for winds and percussion. Four and a half hours of week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 315 - Concert Choir

Auditioned mixed chorus of 50-70 singers that studies and performs a variety of music from Renaissance to 21st century, classical to contemporary, a cappella and music accompanied by piano, chamber groups, and symphonic ensembles. Three hours per week rehearsal time. Multiple concerts are presented both on and off campus and on periodic tours. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 316 - University Chorus

University Chorus is a non-auditioned ensemble open to singers from any academic discipline. This ensemble explores the fundamentals of singing and artistry within a collaborative community and through a selection of diverse repertoire. University Chorus has two ensembles that focus on higher voices and lower voices. Each semester, both sections will combine for mixed-voiced instruction on selected repertoire. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 317 - Chamber Singers

An elite chamber choir of 16-24 outstanding singers who perform challenging repertoire with a greater emphasis on a cappella music. Members of this group are expected to display initiative to prepare music to the highest possible level of their ability. Two and one-half hours per week rehearsal time. One or two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Corequisite(s): MUSI 315

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 318 - Marching Pride

The Marching Pride performs during the half time at football games, both home and away, and for other special events. Much of its music is specially arranged. Open to all students. Six hours a week rehearsal during the football season. One to six credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 6 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-6

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 319 - Concert Band

The Concert Band members are carefully selected to provide a balanced instrumentation of the best players. Music written for concert band is the main repertoire. Concerts on campus. Four hours a week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 320 - Jazz Ensemble

The SRU Jazz Ensemble performs jazz literature from all eras of jazz history including big band, bop, hard bop, fusion and contemporary. This ensemble often performs with guest artists of national and international stature, both on and off campus. Membership in this ensemble requires an audition. Three hours and forty-five minutes of rehearsal per week. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 321 - Symphony Orchestra

Symphony Orchestra is an ensemble of musicians chosen by audition which performs a selection of diverse orchestral repertoire from the Baroque period to the present. Rehearsals will be four hours a week. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 322 - Chamber String Ensemble

The Chamber String Ensemble is a small ensemble selected for the study and performance of chamber music written for strings. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 323 - Brass Ensemble

The university's Brass Ensemble is a select ensemble of brass (and percussion) players who study and perform music from all historical periods. Both large brass choir works and small chamber brass works are performed. The ensemble performs on and off campus. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 324 - Woodwind Ensemble

The Woodwind Ensemble is a small select ensemble of woodwind players who study and perform music for woodwinds from all historical periods. Three hours a week rehearsal time. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 325 - Percussion Ensemble

This small select ensemble of percussionists studies and performs music composed and transcribed for both percussion and mallet ensembles. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 326 - Flute Choir

The SRU Flute Choir is made up of a select group of flutists who will rehearse and perform a variety of music written for flute ensemble. Audition required. Two and a half hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 327 - Psychology of Music

This course explores the multifaceted world of music psychology. We will delve into the interplay between music and behavior, examining how sound influences everything from emotional responses to motor skills. We will look at how music is used in society across time and space. By considering the cognitive and perceptual mechanisms underlying music, we gain a deeper understanding of how we learn, process, perceive, and create music.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 329 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisites: MUSI 229^C or MUSI 230^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 330 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisites: MUSI 229^C or MUSI 230^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 332 - Vocal Conducting

This course is designed to give the student a practical knowledge of choral conducting techniques and a theoretical understanding of the Vocal Ensemble and its function from auditions through performance.

Prerequisites: MUSI 133^D and MUSI 151^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 333 - Instrumental Conducting

The practical aspects of learning to conduct the instrumental ensemble. Students will focus on developing expressive gestures to enhance the basic techniques. Score study, acoustical properties of the instruments, ensemble precision, balance and intonation will be addressed.

Prerequisite: MUSI 151^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 334 - Vocal & Choral Methods

This course consists of two main components: applied vocal methods and choral methods. The applied vocal methods portion focuses on fundamental concepts and skills essential for singing and teaching the vocal instrument in both homogeneous and heterogeneous groups in pK-12 music education settings. Emphasis is placed on topics such as vocal anatomy, the changing voice, and diagnosing vocal faults. The choral methods portion is designed to prepare future educators for careers in elementary and secondary choral music. It covers areas such as culturally responsive teaching, designing a choral program, curriculum and assessment strategies, repertoire selection and programming, building musicianship skills, integrating relevant technology, and applying national and state standards for music education.

Prerequisites: MUSI 206^C and (MUSI 133^C or MUSI 299^C)

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 335 - Early Childhood, Elementary, and Secondary General Music Methods

A music education course designed to prepare the music education major to teach general music to students in grades preK-12 through the study of appropriate musical literature, methodologies, and materials.

Prerequisites: MUSI 258^C or MUSI 378^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 336 - Instrumental Methods

Instrumental methods is a music education course designed to prepare the student for a career in elementary and secondary instrumental music, including selecting appropriate literature, repair of instruments, public relations, incorporating relevant technology, sequencing and differentiating instruction, integrating and applying national and state standards for music education, and rehearsal techniques.

Prerequisites: MUSI 129^C and MUSI 140^C and MUSI 206^C and MUSI 208^C and MUSI 247^C and MUSI 304^C and MUSI 376^C and MUSI 377^C
^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 337 - Instrumental Rehearsal Techniques

In this course for music education majors, students will analyze and conduct beginning and intermediate musical scores for concert band, jazz ensemble, and orchestra. The student conductor will identify performance errors and learn specific rehearsal techniques to improve the ensemble's performance.

Prerequisites: MUSI 129^C and MUSI 140^C and MUSI 206^C and MUSI 208^C and MUSI 247^C and MUSI 304^C and MUSI 376^C and MUSI 377^C
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 339 - Rehearsal Techniques Field Experience

In this course, students will complete at least 60 hours of field experience with a focus on ensemble rehearsals in the public schools, supervised by university faculty who are certified music educators.

Prerequisites: MUSI 129^C and MUSI 140^C and MUSI 206^C and MUSI 207^C and MUSI 208^C and MUSI 247^C and MUSI 304^C and MUSI 375^C and MUSI 376^C and MUSI 377^C
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students with department of Music.

MUSI 350 - Computer Technology in Music

This course will introduce students to the technologies that are prevalent in the music and arts world today. Students will study the history of music and technology and work with today's computer music technologies such as, DC-Rom and MIDI, as well as creating software through the use of the program Hypercard.

Prerequisites: MUSI 255^D or MUSI 355^D
^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 351 - Arranging & Orchestration

This course covers the basic concepts of arranging relative to instrumental and vocal groups. Emphasis is placed on the making of arrangements in addition to the transcription of composition.

Prerequisites: MUSI 255^D or MUSI 355^D
^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 352 - Music Technology

This course will cover the basic techniques, operation and creative use of recording equipment, electronic music equipment, and computer equipment through practical experience in the Department of Music's recording studio, electronic music studio, and computer music laboratory. Application of music technology in music education, composition, performance, and studio work will be addressed.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 353 - Music Methods Block Field Experience

In this course, students will complete at least 50 hours of field experience in the K-12 schools, with a focus on elementary vocal/general or instrumental music, supervised by university faculty who are certified music educators.

Prerequisites: MUSI 129^C and MUSI 140^C and MUSI 206^C and MUSI 207^C and MUSI 208^C and MUSI 247^C and (MUSI 258^C or MUSI 378^C) and MUSI 304^C and MUSI 374^C and MUSI 376^C and MUSI 377^C
^C Requires minimum grade of C.

Corequisite(s): MUSI 334, MUSI 335, MUSI 336 and MUSI 354

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students with department of Music.

MUSI 354 - Integrated Music Methods Lab

A combined course designed to integrate general music, choral, and instrumental methods principles and lab teaching experiences for students in the Music Methods Block. Prerequisite: Admission to Teacher Candidacy Required

Corequisite(s): MUSI 334, MUSI 335, MUSI 336 and MUSI 353

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students in the College of Liberal Arts college.

Enrollment limited to students with department of Music.

MUSI 355 - Music Theory and Analysis IV

This course continues building upon the concepts of harmonic practice and voice-leading from Music Theory and Analysis III, expanding to chromatic chordal evolution and advanced harmonic analysis. Through harmonic analysis, form analysis, composition, orchestration, and arranging, students will apply these methods to representative works from several historical stylistic periods, emphasizing the historical evolution of forms from the Renaissance through the late Romantic period and into the present day.

Prerequisite: MUSI 254^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 356 - Culturally Responsive Teaching (CRT) in the Choral Arts

This course will explore current research and practices of culturally responsive teaching (CRT) in the choral arts. Through detailed analysis of relevant case studies, students will immerse themselves in simulated and situated learning experiences that develop a teaching/conducting pedagogy centered in cultural responsiveness. Students will deepen their understanding and application of personal practice knowledge (PPK), relevant curriculum building, and empathy/social agency that is congruent with the communication and learning styles of ethnically, culturally, and artistically diverse students.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 357 - Music Education for Diverse Learners

This course provides an introduction to music education approaches and instructional foundations as well as the application of historical and instructional foundations of music with diverse learners. Major topics and developments in the field of special education, important terminology, curricular issues, and diversity, equity, and inclusion are explored. Students will learn about the characteristics of students with specific needs, the educational effects of these needs, appropriate adaptations, as well as music education approaches with diverse learners. Graduate students will analyze research applicable to music education for the diverse learner and apply it to the music education setting.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 359 - History of Music I

A survey of musical styles from the ages of classical Greece and Rome through the Baroque period. Important composers and their literature will be discussed in relation to artistic, social, political, and economic conditions of their period. A reading knowledge of music is essential.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 360 - Keyboard Improvisation

Melody harmonization and improvisation at the keyboard in 20th century popular and jazz styles. One class meeting and one laboratory session each week.

Prerequisite: MUSI 235^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 361 - Instrumental Improvisation

This course teaches the basic concepts of improvisation, chord notation and chord styles in popular and jazz music scales. Open to all instrumentalists.

Prerequisite: MUSI 254^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 365 - Applied Performance Voice

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 165, 265, 365 may each be taken two times for a total of 18 credits; MUSI 465 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 366 - Applied Performance Piano

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 166, 266, 366 may each be taken two times for a total of 18 credits; MUSI 466 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 367 - Applied Performance Strings

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 167, 267, 367 may each be taken two times for a total of 18 credits; MUSI 467 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 368 - Applied Performance

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 168, 268, 368 may be taken two times for a total of 18 credits; MUSI 468 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 369 - Applied Performance Brass

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 169, 269, 369 may each be taken two times for a total of 18 credits; MUSI 469 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 370 - Applied Performance

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 170, 270 and 370 may each be taken two times for a total of 18 credits; MUSI 470 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 373 - History of Music II

This course examines the music and culture from the period of the Rococo to the present. Lectures, readings, performances and listening sessions develop the student's musical understanding of the period. A reading knowledge of music is essential.

Prerequisite: MUSI 151^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 374 - Woodwind Methods

A study of the fundamental concepts needed to play and teach beginning instruments of the woodwind family and the factors peculiar to each instrument (flute, oboe, clarinet, bassoon and saxophone). Students must register for MUSI 375 concurrently with this course to complete field experience in the public schools as part of the requirements of this course.

Corequisite(s): MUSI 375

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

MUSI 375 - Woodwind Methods Field Experience

In this course, students will complete field experience with a focus on teaching individual and/or group instrumental lessons in the public schools, supervised by university faculty who are certified music educators. Acceptance into Teacher Candidacy.

Corequisite(s): MUSI 374

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students with department of Music.

MUSI 376 - Flute, Oboe, & Bassoon Methods

A study of the fundamental concepts and skills needed to play and teach flute, oboe, and bassoon to homogeneous and heterogeneous instrument groups in pre-K-12 instrumental music education setting. This includes the integration and application of national and state standards for music education. Pre-requisites: Admission to Teacher Candidacy required

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the College of Liberal Arts college.

Enrollment limited to students with department of Music.

MUSI 377 - High Brass Methods

A study of the fundamental concepts and skills needed to play and teach trumpet and French horn to homogeneous and heterogeneous instrument groups in pre-K-12 instrumental music education setting. This includes the integration and application of national and state standards for music education.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the College of Liberal Arts college.

Enrollment limited to students with department of Music.

MUSI 378 - Musicianship Skills IV

In this advanced skills course, students will build on the foundation established in Musicianship III by engaging in more complex and challenging aural and rhythmic exercises. Through sight reading, improvisation, intervals and pattern recognition, mixed and irregular meters, and harmonic progressions, students will refine their musicianship. Additionally, students will have the opportunity to apply these skills using their primary instrument.

Prerequisites: MUSI 257^C and (MUSI 255 (may be taken concurrently)^C or MUSI 355^C) (may be taken concurrently).

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 379 - Applied Piano

Applied Piano develops students' technical skills, musicality, and performance abilities through individualized weekly lessons. Instruction focuses on technique, including hand position, articulation, pedaling, and phrasing, while building effective practice habits. Students will explore a diverse repertoire, ranging from classical works to contemporary and culturally varied pieces, enhancing their artistry and confidence in performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 381 - Applied Voice

Applied Voice enhances students' technical skills, musicality, and performance abilities in singing through individualized lessons each week. Lessons focus on healthy vocal techniques, including respiration, phonation, articulation, registration, resonance, and alignment, and are tailored to each student's unique strengths and goals. Students will develop effective practice methods and authentic musical interpretations of assigned repertoire, which includes art songs in English and diverse languages, as well as operatic, non-classical, and culturally diverse music.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 382 - Applied Strings

Applied Strings develops students' technical skills, musicality, and performance abilities on a range of string instruments, including violin, viola, cello, double bass, and guitar. In individualized weekly lessons, students focus on tone production, intonation, articulation, phrasing, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 383 - Applied Brass

Applied Brass develops students' technical skills, musicality, and performance abilities on a range of brass instruments (trumpet, trombone, tuba, euphonium, and horn). In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 384 - Applied Woodwinds

Applied Woodwinds develops students' technical skills, musicality, and performance abilities on a range of woodwind instruments. In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 385 - Applied Percussion

Applied Percussion develops students' technical skills, musicality, and performance abilities on a range of percussion instruments, including snare drum, marimba, timpani, vibraphone, and various hand percussion instruments. In individualized weekly lessons, students focus on tone production, rhythm, dynamics, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 387 - Applied Counterpoint I

This study and practice of writing music according to contrapuntal theory of the 16th century. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 388 - Applied Counterpoint II

The study and practice of writing music according to contrapuntal theory of the 18th century. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 389 - Applied Composition

Compositional techniques relative to the student's interest will be studied through an analysis of works by major composers. Although no definite idiom is prescribed, contemporary techniques are encouraged. May be repeated for up to three credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 391 - Applied Electronic Composition

A course designed to present the elements involved in electronic composition. The student will compose using magnetic tape, computer, and synthesizer. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D or MUSI 352^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 392 - Tuba-Euphonium Ensemble

The SRU Tuba-Euphonium Ensemble is comprised of tuba and euphonium players who rehearse and perform a variety of music written for tuba-euphonium ensemble. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building,

Conservation, Technology & Imagination, Human Diversity & Well-Being,

Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 393 - Jazz Lab Band

The SRU Jazz Lab Band is a rehearsal ensemble that performs one concert per academic semester. The group does require an audition which takes place in the first week of the Fall semester. If openings occur in the Spring semester, the director will hold an audition for the open seats only. The ensemble rehearses big band literature from every stylistic period in jazz history. The focus of the course is on developing sight-reading, jazz performance practice and techniques, stylistic interpretation, foundational ensemble techniques, jazz band rehearsal techniques, and exposure to the literature, history, and composers of jazz music. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 394 - World Percussion Ensemble

The SRU World Percussion Ensemble rehearses and performs the percussion music of cultures outside of Western Europe and the United States, concentrating on, but not exclusive to, the Caribbean (Trinidad and Tobago, Cuba, The Dominican Republic, and Puerto Rico), Asia (Japan, India, and Korea), South America (Brazil), and West Africa. Students learn the instruments, techniques, some choreography (when appropriate), and musical styles in multiple genres for at least one public performance each academic semester. The ensemble rehearses and performs on authentic instruments (whenever possible) or modern, commercially available substitutes. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 396 - Winter Guard

The Slippery Rock University Winter Guard is the indoor color guard performing ensemble. In this performing ensemble, students will combine the use of flags, sabers, mock rifles, and other equipment, as well as dance and interpretive movement, in shows for public performance and competition. Held in the spring semester the group performs in competition as part of the indoor marching arts circuit as well as for campus and community events. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson.

Credits: 1-2

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 399 - Diction for Singers II

In this study of language diction for singers, students will continue the study of the International Phonetic Alphabet and apply it to the singing of German and French art songs. The course is open to all voice majors.

Credits: 1-2

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Music, Music - Voice, Music Education (PK-12), Music Education (K-12), Music Educ-Voice (K-12), Music Performance, Music Performance-Voice, Music Therapy or Music Therapy-Voice.

MUSI 402 - Teaching General Music Through Distance Education

This course is designed to provide students with the knowledge and skills necessary to effectively teach general music through distance or cyber education.

Prerequisites: (PE 411^C or PHED 411^C) and (PE 421^C or PHED 421^C)
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

MUSI 403 - Teaching Music Performance Through Distance Education

This course is designed to provide students with the knowledge and skills necessary to effectively teach music performance through distance or cyber education.

Prerequisites: (PE 302^C or PHED 302^C) and (PE 303^C or PHED 303^C)
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

MUSI 404 - Field Experience Immersion in Music

In this course, students will participate in field experience through observing, assisting and teaching while being immersed in the culture of a different population. Travel expenses, which may include lodging, airfare, meals and other expenses, will be required as part of this course. Admission to Teacher Candidacy required.

Credits: 1

Term(s) Typically Offered: Offered Winter Terms Even

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students with department of Music.

MUSI 406 - Advanced Conducting

In this course, students will develop advanced skills of conducting instrumental and vocal ensembles, including but not limited to: expanding technique beyond stationary focal point conducting to variable focal point conducting, developing gestural vocabulary guided by the Laban Method and developing advanced score study and analysis.

Prerequisite: MUSI 206^C
^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 407 - Choral Rehearsal Techniques

In this course for music education majors, students will analyze and conduct beginning and intermediate musical scores for choir. The student conductor will identify performance errors and learn to use various rehearsal techniques to improve the ensemble's performance. Students will also survey and learn performance practice for choral literature of all historical stylistic periods, and discuss numerous aspects of choral pedagogy, such as designing curriculum for and administering a choral program.

Prerequisites: MUSI 334^C and MUSI 406^C
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 408 - Professional Preparation for the Music Job Search

In this class, which is designed for music majors, students will create a resume, cover letter, and a portfolio; will engage in interview practice; and will form strategies for approaching the job search. The course is intended to be taken by students who will be entering the job search soon.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1 or Senior 2.

Enrollment limited to students with department of Music.

MUSI 409 - Jazz Combo

Students will meet weekly with the appropriate faculty member to work on jazz performance in the small group (combo) setting. Study of phrasing, articulation, jazz theory, improvisation, and other jazz performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. One hour of rehearsal time per week. One credit for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
 Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 413 - Saxophone Quartet

Students will meet weekly with the appropriate faculty member to work on literature selected for their performance ability level. Study of phrasing, articulation, balance, blend, intonation, and other performance practices will be addressed. Students will be auditioned at the beginning of the semester for placement. At least one public performance will be given per semester. Two hours per week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
 Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 414 - Symphonic Wind Ensemble

Symphonic Wind Ensemble: A chamber ensemble composed of select musicians chosen by audition, performing contemporary literature as well as transcriptions for winds and percussion. Four and a half hours of week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 415 - Concert Choir

Auditioned mixed chorus of 50-70 singers that studies and performs a variety of music from Renaissance to 21st century, classical to contemporary, a cappella and music accompanied by piano, chamber groups, and symphonic ensembles. Three hours per week rehearsal time. Multiple concerts are presented both on and off campus and on periodic tours. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 416 - University Chorus

University Chorus is a non-auditioned ensemble open to singers from any academic discipline. This ensemble explores the fundamentals of singing and artistry within a collaborative community and through a selection of diverse repertoire. University Chorus has two ensembles that focus on higher voices and lower voices. Each semester, both sections will combine for mixed-voiced instruction on selected repertoire. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 417 - Chamber Singers

An elite chamber choir of 16-24 outstanding singers who perform challenging repertoire with a greater emphasis on a cappella music. Members of this group are expected to display initiative to prepare music to the highest possible level of their ability. Two and one-half hours per week rehearsal time. One or two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. Entrance is by successful audition, held the first week of classes every semester; contact the instructor for information. The ensemble is also available without credit.

Corequisite(s): MUSI 415

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 418 - Marching Pride

The Marching Pride performs during the half time at football games, both home and away, and for other special events. Much of its music is specially arranged. Open to all students. Six hours a week rehearsal during the football season. One to six credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 6 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-6

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 419 - Concert Band

The Concert Band members are carefully selected to provide a balanced instrumentation of the best players. Music written for concert band is the main repertoire. Concerts on campus. Four hours a week rehearsal time. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 420 - Jazz Ensemble

The SRU Jazz Ensemble performs jazz literature from all eras of jazz history including big band, bop, hard bop, fusion and contemporary. This ensemble often performs with guest artists of national and international stature, both on and off campus. Membership in this ensemble requires an audition. Three hours and forty-five minutes of rehearsal per week. One to three credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 421 - Symphony Orchestra

Symphony Orchestra is an ensemble of musicians chosen by audition which performs a selection of diverse orchestral repertoire from the Baroque period to the present. Rehearsals will be four hours a week. One to four credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 422 - Chamber String Ensemble

The Chamber String Ensemble is a small ensemble selected for the study and performance of chamber music written for strings. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 423 - Brass Ensemble

The university's Brass Ensemble is a select ensemble of brass (and percussion) players who study and perform music from all historical periods. Both large brass choir works and small chamber brass works are performed. The ensemble performs on and off campus. Two hours a week rehearsal time. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 424 - Woodwind Ensemble

The Woodwind Ensemble is a small select ensemble of woodwind players who study and perform music for woodwinds from all historical periods. Three hours a week rehearsal time. One credit for every semester of satisfactory participation is granted for this music performance group, with a maximum allowance of ten credits in any one music organization. Additional credits are possible with a waiver from the departmental chairperson. The ensemble is also available without credit.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

MUSI 425 - Percussion Ensemble

This small select ensemble of percussionists studies and performs music composed and transcribed for both percussion and mallet ensembles. Two hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

MUSI 426 - Flute Choir

The SRU Flute Choir is made up of a select group of flutists who will rehearse and perform a variety of music written for flute ensemble. Audition required. Two and a half hours a week rehearsal time. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 428 - Music Therapy Advanced Topics

Seminar discussing advanced and contemporary topics in music therapy including professional ethics, disability studies, race theory, and feminism.

Prerequisites: MUSI 127^C and MUSI 327^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Music Therapy.

MUSI 431 - Pedagogy

Acquaintance with the philosophy, theories, techniques, materials, and practical applications of teaching applied music on the student's major instrument of study. Laboratory experience under the supervision of the instructor will be an integral part of the course.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 432 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisites: MUSI 329^C or MUSI 330^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 433 - Clinical Integration

A supervised clinical experience allowing the music therapy student practical experience in a variety of community health care agencies and/or educational settings. A total of six placements are required for undergraduate students with a minimum grade of "C" (2.0) in the course is necessary in order to be eligible for music therapy internship MUSI 450.

Prerequisites: MUSI 329^C or MUSI 330^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 435 - Music Entrepreneurship

This course is designed for music majors and others aspiring to careers in music, particularly in performance. Students will explore the fundamentals of the music business, develop an electronic press kit, and craft strategies for establishing and sustaining a successful career in music.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 437 - Opera Performance

Performance of scenes, arias, or full operas, taking into consideration the interest and skill of each student. Four hours of rehearsal per week; more rehearsal as needed in weeks leading to performance. One to four credits for every semester of satisfactory participation is granted for this music performance group. Additional repeats are possible with a waiver from the department chairperson. Each course number may be repeated up to five times.

Credits: 1-4

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 439 - Chamber Music Performance

In this course, students study and perform music in instrumental and/or vocal combinations from a variety of style periods. Consultation with instructor is recommended prior to enrolling. The course may be repeated up to twenty credits.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 440 - Music Therapy for Adult Clients

Application of music therapy techniques and materials in all areas related to behavioral health, medical, rehabilitation, and hospice needs for adults and older adults. Emphasis is placed on behavioral health theories, group dynamics, movement skills, and reimbursement.

Prerequisites: MUSI 230^C and PSYC 276 (may be taken concurrently)^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 450 - Music Therapy Internship

A continuous six-month internship in an approved music therapy program under the direction of a Board Certified Music Therapist. Required of all candidates for graduation.

Prerequisites: MUSI 428^C and MUSI 440^C and MUSI 433^C

^C Requires minimum grade of C.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the BM 5273 program.

MUSI 455 - Student Teaching - Music

Under the guidance of a cooperating teacher and university supervisor, students engage in two eight-week assignments on a full-time basis in specified school districts and attend scheduled seminars. Supervisors assign additional requirements.

Prerequisites: MUSI 334^D and MUSI 335^D and MUSI 336^D and MUSI 337^D

^D Requires minimum grade of D.

Credits: 12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY or MUSIC UPPER DIV REVIEW STATUS attributes.

Enrollment limited to students with department of Music.

MUSI 456 - Social Emotional Learning in Music Education

This course will explore the unique position of music education in addressing the social emotional learning competencies of self-awareness, self-management, social awareness, relationship skills, and responsible decision-making. Music, by its very nature, is both social and emotional. In this course, you will learn how to integrate the SEL competencies into music education to create an environment where great teaching enriches the lives of students through the fostering of their SEL skills right alongside their musical development.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 457 - Popular Music Pedagogy

The purpose of this course is to develop student achievement through the exploration of a modern band ensemble. The course will introduce the skills necessary to perform on electric guitar, acoustic guitar, electric bass, keyboard, drums, vocals, and technology. With an emphasis on the music styles of the last 50 years, many of these will be discussed, demonstrated, and performed by the students. The course will also foster peer-to-peer development in the band setting while encouraging each band to perform cohesively as a single unit. Students in Popular Music Pedagogy will also be introduced to the art of composition and improvisation.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 458 - Diversity, Equity, and Inclusion in Wind Band Literature

This course will focus on issues of diversity, equity, and inclusion in the wind band profession, particularly related to wind band repertoire and equitable programming practices. In this course, students will engage with first-hand accounts from underrepresented communities in the wind band profession contextualized against a brief history of the wind band and its repertoire. Students will identify and analyze historical systems and structures influencing repertoire development. Diverse works by diverse composers at a variety of grade levels will be studied as well as resources to immediately implement equitable programming practices in the classroom today.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 465 - Applied Performance Voice

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 165, 265, 365 may each be taken two times for a total of 18 credits; MUSI 465 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 466 - Applied Performance Piano

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 166, 266, 366 may each be taken two times for a total of 18 credits; MUSI 466 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 467 - Applied Performance Strings

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 167, 267, 367 may each be taken two times for a total of 18 credits; MUSI 467 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 468 - Applied Performance

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 168, 268, 368 may be taken two times for a total of 18 credits; MUSI 468 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 469 - Applied Performance Brass

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 169, 269, 369 may each be taken two times for a total of 18 credits; MUSI 469 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 470 - Applied Performance

Applied lessons for the Bachelor of Music in Performance student. One lesson and 15 hours of practice each week are required for three credits. Applied lessons beyond degree requirements will be granted upon faculty availability. MUSI 170, 270 and 370 may each be taken two times for a total of 18 credits; MUSI 470 may be taken four times for a total of 12 credits.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 230^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 473 - History of Popular Musics

This course examines the musical history of popular musics from 1900 to the present including styles such as jazz, blues, country, rock and roll, rhythm & blues, rap, hip-hop, and music of various cultures. An emphasis on understanding the cultural context of the composers and music will be provided throughout this course highlighting social and political influences on popular musics.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 479 - Applied Piano

Applied Piano develops students' technical skills, musicality, and performance abilities through individualized weekly lessons. Instruction focuses on technique, including hand position, articulation, pedaling, and phrasing, while building effective practice habits. Students will explore a diverse repertoire, ranging from classical works to contemporary and culturally varied pieces, enhancing their artistry and confidence in performance.

Prerequisite: minimum score of Y in 'Musicianship Health Competency'

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 481 - Applied Voice

Applied Voice enhances students' technical skills, musicality, and performance abilities in singing through individualized lessons each week. Lessons focus on healthy vocal techniques, including respiration, phonation, articulation, registration, resonance, and alignment, and are tailored to each student's unique strengths and goals. Students will develop effective practice methods and authentic musical interpretations of assigned repertoire, which includes art songs in English and diverse languages, as well as operatic, non-classical, and culturally diverse music.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 482 - Applied Strings

Applied Strings develops students' technical skills, musicality, and performance abilities on a range of string instruments, including violin, viola, cello, double bass, and guitar. In individualized weekly lessons, students focus on tone production, intonation, articulation, phrasing, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 483 - Applied Brass

Applied Brass develops students' technical skills, musicality, and performance abilities on a range of brass instruments (trumpet, trombone, tuba, euphonium, and horn). In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 484 - Applied Woodwinds

Applied Woodwinds develops students' technical skills, musicality, and performance abilities on a range of woodwind instruments. In individualized weekly lessons, students focus on tone production, articulation, phrasing, flexibility, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 485 - Applied Percussion

Applied Percussion develops students' technical skills, musicality, and performance abilities on a range of percussion instruments, including snare drum, marimba, timpani, vibraphone, and various hand percussion instruments. In individualized weekly lessons, students focus on tone production, rhythm, dynamics, and repertoire from various musical periods and styles. Assignments, including scales, etudes, and solo works, are tailored to each student's goals and experience. Students are expected to demonstrate professionalism, engage in studio events, and cultivate the skills necessary for continuous musical growth and expressive performance.

Prerequisites: minimum score of Y in 'Musicianship Health Competency' or MUSI 203^C

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Music.

MUSI 487 - Applied Counterpoint I

This study and practice of writing music according to contrapuntal theory of the 16th century. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 488 - Applied Counterpoint II

The study and practice of writing music according to contrapuntal theory of the 18th century. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 489 - Applied Composition

Compositional techniques relative to the student's interest will be studied through an analysis of works by major composers. Although no definite idiom is prescribed, contemporary techniques are encouraged. May be repeated for up to three credits.

Prerequisites: MUSI 255^D or MUSI 355^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration under the direction of a music faculty. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 491 - Applied Electronic Composition

A course designed to present the elements involved in electronic composition. The student will compose using magnetic tape, computer, and synthesizer. Course may be repeated for up to 3 credits.

Prerequisites: MUSI 255^D or MUSI 355^D or MUSI 352^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 492 - Tuba-Euphonium Ensemble

The SRU Tuba-Euphonium Ensemble is comprised of tuba and euphonium players who rehearse and perform a variety of music written for tuba-euphonium ensemble. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 493 - Jazz Lab Band

The SRU Jazz Lab Band is a rehearsal ensemble that performs one concert per academic semester. The group does require an audition which takes place in the first week of the Fall semester. If openings occur in the Spring semester, the director will hold an audition for the open seats only. The ensemble rehearses big band literature from every stylistic period in jazz history. The focus of the course is on developing sight-reading, jazz performance practice and techniques, stylistic interpretation, foundational ensemble techniques, jazz band rehearsal techniques, and exposure to the literature, history, and composers of jazz music. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 494 - World Percussion Ensemble

The SRU World Percussion Ensemble rehearses and performs the percussion music of cultures outside of Western Europe and the United States, concentrating on, but not exclusive to, the Caribbean (Trinidad and Tobago, Cuba, The Dominican Republic, and Puerto Rico), Asia (Japan, India, and Korea), South America (Brazil), and West Africa. Students learn the instruments, techniques, some choreography (when appropriate), and musical styles in multiple genres for at least one public performance each academic semester. The ensemble rehearses and performs on authentic instruments (whenever possible) or modern, commercially available substitutes. This is open to all students regardless of major or area of emphasis. One to two credits for every semester of satisfactory participation is granted for this music performance group. The course may be repeated up to 10 times. Additional repeats are possible with a waiver from the department chairperson. The ensemble is also available without credit.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 496 - Winter Guard

The Slippery Rock University Winter Guard is the indoor color guard performing ensemble. In this performing ensemble, students will combine the use of flags, sabers, mock rifles, and other equipment, as well as dance and interpretive movement, in shows for public performance and competition. Held in the spring semester the group performs in competition as part of the indoor marching arts circuit as well as for campus and community events. The course may be repeated up to 5 times. Additional repeats are possible with a waiver from the department chairperson.

Credits: 1-2

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course
Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

MUSI 499 - Applied Recital

The purpose of this course is to give the performance majors an opportunity to perform a full recital on their major instrument. It will be taken in addition to study in the student's major applied area. Course may be repeated up to two credits.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Music Performance.

Nursing (NURS)

NURS 101 - Introduction to Nursing

This course introduces the student to the field of nursing and prepares the student to transition from a basic educational environment to an academic and professional role. Discussion on the language of nursing, decision-making, and essential academic and interpersonal skills are included in this course.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms, Offered as Needed

NURS 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

NURS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 311 - Introduction to Health Care Informatics

This course is designed to provide students with an opportunity to apply knowledge and skills from information science and computer science to the health care field. Emphasis will be on developing a basic understanding of how automation is used to manage information in healthcare. Topics covered include types of information systems used in healthcare, how to select and implement information systems, current developments in healthcare information systems, issues surrounding computers in health care. In this course the focus is on the computer as a tool for helping healthcare providers do their work.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Nursing.

NURS 312 - Nursing in Transition

This course focuses on contemporary issues and trends in nursing. Students explore the role of the professional nurse and develop a broad perspective of the nursing profession and the health care delivery system. Emphasis is placed on exploring nursing history and theories, managing patient care in the everchanging healthcare environment, career development, and scholarly writing.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 322 - The Teaching-Learning Process in Nursing

This course is designed for the registered nurse who desires greater knowledge and skill in assisting individuals, families, and groups to acquire health-related knowledge, skills, and values. The course provides opportunities from a conceptual and practical perspective to explore the dynamics that contribute to effective health education. Emphasis will be placed upon developing the nurses' abilities, confidence, and self-image as teachers.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 327 - Group Process for Nursing

Provides opportunities to develop leadership skills with groups for the purposes of maintaining, regaining or improving their levels of wellness. The focus is on the group as a system. Combined conceptual knowledge and practical skills needed to work effectively with health-related groups will be taught (3 credits theory)

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 331 - Evidence-Based Health Assessment & Promotion

This course provides the student with the knowledge and skills to conduct comprehensive physical and psychosocial nursing health assessments. Emphasis is on utilizing health assessment findings to address disease prevention and early detection across the lifespan. Students use culturally sensitive and evidence-based health promotion strategies to improve the well-being of individuals.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 395 - Workshop

All academic departments list this workshop course. Please contact the individual department for more information. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 406 - Politics and Policy Nursing

This course is designed to enhance the student's understanding of health policy as it relates to professional nursing practice. Students will explore health care policy and the policy-making process at various levels of government, research the impact of special interest groups on policy, and learn effective strategies to interact with legislators as citizen lobbyists and/or members of professional nursing organizations.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Nursing.

NURS 408 - Delivery of Nursing Care in a Managed Care Environment/Clinical

This course prepares students to understand managed health care delivery systems and their impact of delivery and practice patterns with emphasis on the delivery of nursing care.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 422 - Nursing Research & Evidence-Based Practice

This course examines the fundamental concepts of nursing research and evidence-based practice (EBP). Students are prepared to become critical consumers of nursing research. Through the application of research evidence, students are provided the tools necessary to advance nursing practice and improve patient outcomes.

Prerequisites: NURS 311^D and NURS 312^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 426 - Community and Public Health Nursing

In this course the focus is on the community as the client. Theories, models, and concepts from community and public health nursing are examined. A course project, the Community Assessment, provides students the opportunity to complete and analyze a community assessment.

Prerequisites: NURS 311^D and NURS 312^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 429 - Financial Management for Nursing Case Managers

This course provides students with content related to current issues, tools (i.e. Excel spreadsheet), and regulation necessary to function as a nursing case manager.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 430 - Leadership in Nursing and Healthcare Systems

This course is designed to provide students with a working knowledge of concepts and processes of leadership theory and practice in nursing and healthcare systems. Students successfully completing this course will be able to identify the personal and situational factors affecting leadership performance and adapt their behavior to become more effective leaders.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 432 - Practice Experience for Leadership and Management in Nursing

As a practice experience, the student will apply concepts gleaned from previous courses and NURS 431 to enhance professional nursing practice. Nursing leadership and management theories will be applied within the practice environment by emphasizing planning, delivering, managing, and evaluating cost-effective quality care. This is a practice experience that requires completion of all 300 core nursing courses (NURS 311, 312, 327, 331) as prerequisites and NURS 431 as a co-requisite course.

Prerequisites: NURS 311^C and NURS 312^C and NURS 327^C and NURS 331^C

^C Requires minimum grade of C.

Corequisite(s): NURS 431

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Nursing.

NURS 433 - Innovative Technology for Healthy Communities

This course focuses on consumer health informatics and technology which explores how innovative technology can be used to improve individuals' health within various community settings. Topics include the mode of delivery of consumer health information such as Internet-based technology; shared access to individuals' private health information; quality of consumer health information via social media; and health and information literacy seeking behavior. Finally, various types of innovative technology used within the home environment or within a healthcare setting to support consumers within a home environment will be explored.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 434 - Leadership and Management in Nursing with Practice Experience

This course focuses on the theory for leadership and management roles, leadership theories, and the ethical decision-making process in the delivery of health care to diverse populations. The student will apply concepts from this course and gleaned from previous courses to enhance professional nursing practice in both the theoretical realm and the practice environment. Nursing leadership and management practices will be analyzed with an emphasis on planning, delivering, and evaluating cost-effective quality care. This is a course that requires completion of all 300 level core nursing courses (NURS 311, 312, 327, 331) as prerequisites.

Prerequisites: NURS 311^C and NURS 312^C and NURS 327^C and NURS 331^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Nursing.

NURS 440 - Nursing Case Management in Today's Healthcare Environment

This course is designed to prepare students to understand the case management responsibilities which include planning, coordinating, and managing care of consumers within a health care system. Students will learn to use evidence-based pathways in making decisions, planning care and finding the best ways to deliver safe, quality and culturally appropriate care and controlling increasing health care costs. Identify innovative technologies to measure case management effectiveness and outcomes.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing.

NURS 450 - Health Care Informatics Internship

Provides opportunity to apply theory and develop competencies in health care informatics through a work-related experience in an appropriate health related enterprise.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 451 - Internship in Correctional Nursing

Provides opportunity to apply theory and develop competencies in correctional nursing through a work-related experience in an appropriate correctional institution.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

NURS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Nursing or Program PA School Nurse Certif.

Parks & Conservation (PCRM)

PCRM 104 - Foundations in Sustainability

This course will provide a foundation of basic concepts associated with environmental and its associated cultural sustainability. Emphasis will be placed on the interdependence of our natural resources to achieve sustainability in a cultural context. Course development will move from individual environmental ethics and personal actions to civic responsibility and global perceptions.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

PCRM 105 - Leisure-Centered Living

The constructive use of leisure and education for leisure are essential tools for a person's successful growth and development. Leisure-centered living is designed to help students investigate, evaluate, and plan leisure/play as a basic human need and necessity for well-being.

Credits: 3

PCRM 110 - Foundations of Parks and Outdoor Recreation

This course is designed to provide the student with the conceptual foundations of outdoor recreation as it relates to park resources management, environmental education/interpretation, and outdoor leadership. The course examines the history and philosophy of outdoor recreation and where it fits in the broad field of leisure. Students will be introduced to the roles of government and the private sector in parks and outdoor recreation. In addition, an overview of national resources as well as the interaction of humans with our natural resources will be reviewed. Students will also explore career opportunities and identify needed skills of outdoor recreation professionals.

Credits: 3

PCRM 111 - Introduction to Park and Resource Management

This course is a sequel to Foundations of Parks and Recreation I and will continue to examine the historical and philosophical background of the leisure movement with regard to recreation organizations and services. Professional preparation in relation to perceived and actual needs concerning risk management, research and evaluation, information technology, ecological considerations and sustainable planning and management practices in the parks and recreation field will also be explored.

Credits: 3

PCRM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PCRM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

PCRM 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

PCRM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

PCRM 204 - Environmental Communication

In this course, students will learn about the theoretical and applied concepts that guide the discipline of environmental communication including rhetoric & discourse, media, public participation, social marketing, collaboration & conflict resolution, risk communication, and popculture. Students will demonstrate understanding and show application of materials for successful environmental communication in a variety of protected areas and conservation settings.

Credits: 3

PCRM 210 - Resources for Outdoor Programming

The outdoors was the first classroom and many lessons are still taught in and for the outdoors. This course is designed to provide anyone working in a recreational or park setting with methods and materials to use to achieve a variety of educational and recreational goals. Emphasis will be placed on identifying and using existing instructional materials, in addition to developing personal materials and lessons for outdoor programming.

Credits: 3

PCRM 211 - Outdoor Leadership

This course is a study of the principles and practices essential for outdoor leaders with emphasis on the development of KSAs to lead groups into the wild outdoors.

Credits: 3

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

PCRM 214 - Parks and Recreation Planning

This course provides a comprehensive introduction to the field of recreation planning. Class sessions will focus on a variety of planning approaches and tools, which are utilized throughout the field of recreation. Students will gain familiarity with these planning tools as they engage in an abbreviated campus-wide study focused on the availability of recreational resources to SRU students.

Prerequisites: PREE 110^D or PCRM 110^D

^D Requires minimum grade of D.

Credits: 3

PCRM 251 - Field Experience

Opportunities for basic practical experience in a variety of park and recreation/environmental education settings. May be repeated up to 3 times.

Credits: 1

PCRM 271 - Law Enforcement Firearms

This course provides basic orientation to and qualification with the approved handgun and familiarization with the 12 gauge shotgun including safety and "shoot-no shoot situations.

Credits: 3

PCRM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

PCRM 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

PCRM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

PCRM 304 - Search and Rescue/Wilderness Medicine

This course will provide basic and intermediate instruction in search and rescue techniques and emergency medical procedures in wilderness settings. Students will be introduced to the various evacuation and stabilization procedures that are commonly implemented in emergency situations.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 315 - Recreation Resource Planning and Analysis

This course is designed specifically for student in the Park and Resource Management track. It is designed to provide the student with application of the planning process, from site and program analysis into planning recreational facilities. Students will use a variety of planning tools and on-line analysis resources, as well as a variety of professional recreation planning frameworks.

Prerequisites: PREE 214^D or PCRM 214^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 318 - Administrative Strategies for Resource Managers

The organization and administration of parks and recreation services, including organizational management, personnel practices and labor relations, financial and business procedures and legal aspects.

Credits: 3

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

PCRM 342 - Group Facilitation and Leadership

This course will cover the concepts related to working with groups as a facilitator. Hands-on approaches to program design, sequencing activities and processing experiences will be examined. Students will facilitate their classmates through a group development experience making use of SRU's low and high challenge courses and the Leadership Reaction Center.

Credits: 3

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 347 - Interpretive Methods and Programming

A study of the principles and methods to interpret natural and cultural history in parks and other outdoor settings.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 348 - Natural History of Ecosystems I

This course provides basic ecology and natural history information and skills for the purpose of environmental and resource management as well as interpretation and environmental education. Local animal identification, interactions of species with their environment, and species interactions are among the topics covered.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 349 - Natural History of Ecosystems II

This field-oriented course is designed to integrate basic scientific inquiry and ecological field techniques to develop skills of analysis, synthesis and evaluation of scientific information for the purpose of environmental and resource management. Results of field investigations are applied to relevant ecological problems and management objectives for the purpose of environmental decision making. Topics include local plant and fungi identification, community ecology, ecosystem ecology, and ecological biogeography.

Prerequisites: PREE 260^D or PREE 348^D or PCRM 348^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 351 - Parks & Conservation Practicum

Observation and participation in parks and recreation or environmental education activities. Cross listed as RCTH352.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 371 - Fundamentals of National Park Service Law Enforcement

This course covers the legal and administrative fundamentals of National Park Service law enforcement including federal law and NPS policies and guidelines.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 372 - Visitor Services Management

A study of visitor services including information, safety, rescue and law enforcement services.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 374 - Federal Law & Park Policy

This course is designed to provide students with advanced knowledge of federal law, policies, and procedures. Students will develop an in-depth understanding of Federal policy for various land management agencies with emphasis on National Park Service policy. The course will also cover legal updates in park law enforcement.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 377 - Cultural Resources Management

This course provides a comprehensive introduction to the management of cultural and historic resources. The course examines the goals, legislation, and methodologies related to cultural resources management, research and programming.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 405 - Social Ecological Systems

This course uses a social-ecological systems framework in order to advance an interdisciplinary approach to conservation of biological diversity and natural resources. Students will be exposed to contemporary conservation and natural resource management challenges and will learn how those issues can be addressed through an integrated understanding of social and natural systems. Case studies will be presented and discussed in class in order to connect theoretical frameworks to on the ground conservation problems and to consider opposing and controversial viewpoints. Students will develop practical skills in understanding and discussing cross-cultural and interdisciplinary natural resource management issues.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PCRM 415 - Challenges and Trends in Parks and Conservation

An integrative course for detailed study of current issues in parks and recreation with emphasis on unique and imaginative solutions to the challenges facing the recreation/parks profession. Must be a senior to enroll.

Credits: 3

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

PCRM 450 - Internship

A supervised off-campus work experience in an appropriate aspect of parks and recreation or environmental education work. Open only to PCRT majors with advanced standing.

Credits: 1-12

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 471 - NPS Law Enforcement

This course provides an overview of NPS law enforcement policies and procedures, relevant federal laws, Titles 36 and 50, CFR, and courtroom procedures.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 472 - Park Law Enforcement

This course provides basic law enforcement skills essential for the park law enforcement ranger.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 475 - Park and Resource Management

The principles and practices of recreational land and water management. Field trips required.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 477 - Wildlife & Wildlands Field Methods and Management

Course will cover the application of natural history and ecological concepts as it related to parks, other public lands and environmental education. Emphasis is placed on project development, problem solving and critical thinking skills as they relate to resource management.

Prerequisites: (PREE 348^D or PCRM 348^D) and (PREE 349^D or PCRM 349^D)

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 490 - Independent Study

A special study opportunity for students to investigate in-depth, approved topics in recreation or environmental studies. Topic and credit established by student and supervising instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 491 - Professional Seminar

This course is designed to assist students in preparing for entry into the environmental education profession. Topics will include career planning, employment opportunities, employment seeking skills, and discussions centering on areas of interest to the student.

Credits: 1

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PCRM 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

PCRM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Parks & Recreation (PREE)

PREE 411 - Tourism Planning and Operations

This course studies the different components of travel, as well as the planning and operation of group/package tours and tourist attractions.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PREE 414 - Concepts and Trends in Travel and Tourism

The course will focus on current concepts and trends of the travel and tourism industries both domestically and internationally.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Petroleum/Natural Gas Engineering (PNGE)

PNGE 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PNGE 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PNGE 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PNGE 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PNGE 201 - Introduction to Petroleum and Natural Gas Engineering

This course provides an overview of different aspects of petroleum and natural gas engineering from generation to exploration of petroleum reservoirs to drilling and production from these resources.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

PNGE 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PNGE 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PNGE 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PNGE 312 - Petrophysics

This course provides an in depth review of the properties of the reservoir rock and fluids. Topics covered will include theoretical and applied phase behavior of hydrocarbon systems and hydrocarbon fluid properties, basic properties of petroleum reservoir rocks and laboratory evaluation of basic and special petroleum reservoir rock and fluid properties.

Prerequisites: CHEM 107^D and CHEM 111^D and PNGE 201^D
^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 315 - Reservoir Fluids

Thermodynamic behavior of naturally occurring hydrocarbon mixtures; evaluation and correlation of physical properties of petroleum reservoir fluids including laboratory and empirical methods.

Prerequisites: PNGE 312^D and CHEM 108^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 325 - Reservoir Engineering

This course provides an in depth review of reservoir characteristics and behavior. Topics covered will include fluid flow through porous materials, evaluation of oil and gas resources and the reserves under a variety of production methods, and prediction of reservoir performance to achieve maximum conservation.

Prerequisites: (EGEO 327^D or EVGE 327^D) and PNGE 315^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 330 - Unconventional Reservoir Engineering

This course addresses topics that are specific to exploration of unconventional reservoirs - identification and characterization, economics, efficient completion technologies and development strategies. Tight gas and shale gas reservoirs and coal bed methane engineering are addressed.

Prerequisite: PNGE 325^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 410 - Drilling engineering with Lab

This course provides an in depth review of drilling engineering practices. Topics covered will include functions and design considerations for the rotating system, hoisting system and circulating system; drilling fluids calculations and selections; hydraulic programs; drilling optimization; casing string design; cementing programs; and pressure control; laboratory evaluation of mud weight control filtration, chemical contaminants and rheological models.

Prerequisites: ENGR 301 (may be taken concurrently)^D and PNGE 312^D
^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 420 - Production Engineering

This course provides an in depth review of petroleum production engineering practices. Topics covered will include well completion, performance of productive formations, drill stem tests, completion of wells, flowing wells, gas lift methods and equipment, pumping installation design, well stimulation, emulsion, treating, gathering and storage of oil and gas, field automation.

Prerequisites: PNGE 410 (may be taken concurrently)^D and PNGE 325^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 430 - Reservoir Simulation

Mathematical models governing fluid flow in reservoirs; relevant numerical methods; numerical reservoir simulations; treatment of wells; history matching; simulation project performed using a commercial simulator.

Prerequisites: ENGR 130^D and (MATH 309^D or MATH 232^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 432 - Formation Evaluation

This course provides an in depth review of techniques for formation evaluation. Topics covered will include various well logging methods and related calculations with exercises in interpretation of data from actual well logs.

Prerequisite: PNGE 312^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 435 - Pressure Transient Analysis

This course provides an in depth review of the well test analysis methods. Topics covered will include pressure transient tests and interpretation methods, unsteady-state fluid flow through porous rock, analysis of the drawdown and buildup tests, wellbore storage, application of pressure derivative in pressure transient data analysis, testing of hydraulically fractured wells, type curve method, testing of horizontal wells, unified method of analysis, well test design.

Prerequisite: PNGE 420^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 440 - Hydraulic Fracturing

This course starts with a general overview of different types of unconventional reservoirs and their geological and petrophysical properties. Second part of the course emphasizes hydraulic fracturing design and data collection for proper fracture design. Economic analysis of hydraulic fracturing will be covered as well as more advanced topics such as completion design optimization.

Prerequisite: PNGE 325^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 441 - Oil and Natural Gas Resource Valuation and Economics

This course provides an in depth review of the techniques for oil and gas property evaluation. Topics covered will include reserve estimation, decline analysis, petroleum property evaluation, interest calculations, cost estimation, and tax evaluation, investment decision analysis and computer applications in property evaluation.

Prerequisites: PNGE 325^D and PNGE 432^{*D} (may be taken concurrently).
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 443 - Enhanced Oil Recovery

This course teaches an integrated version of the basics of waterflooding and enhanced oil recovery (EOR), illustrating the connection of each process to a few fundamental principles. It reviews the specifics of thermal and solvent EOR by relating basic principles to the results of cases from the field.

Prerequisite: PNGE 325^D
^D Requires minimum grade of D.

Credits: 3

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Petro & Natl Gas Engineering.

Enrollment limited to students in the College of Engineering & Science college.

PNGE 445 - Natural Gas Engineering with Lab

This course provides an in depth review of natural gas evaluation and production engineering practices. Topics covered will include natural gas properties, compression, transmission, processing and application of reservoir engineering principles to predict the performance and design of gas, gas-condensate and storage reservoirs. Includes a laboratory devoted to gas measurements.

Prerequisite: PNGE 325^D
^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 450 - Internship

Supervised placement and research in selected public and private agencies.

Credits: 3-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 459 - Petroleum and Natural Gas Design/Capstone I

This course provides a proposal preparation for PNGE 460 which includes defining a comprehensive problem in design involving systems in oil and gas production, field processing, transportation, and storage.

Prerequisites: PNGE 325^D and PNGE 410^D and PNGE 420^{*D} and PNGE 432^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 460 - Petroleum and Natural Gas Engineering Design/Capstone II

This course provides comprehensive problems in design involving systems in oil and gas production, field processing, transportation and storage.

Prerequisite: PNGE 459^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 470 - Petroleum and Natural Gas Engineering Undergraduate Research

Research and design problems of limited scope approved on an individual basis intended to promote independent inquiry.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

PNGE 490 - Independent Study

Investigation of the theoretical or experimental area following a plan or proposal initiated by the student and approved by the major advisor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PNGE 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Philanthropy, Nonprofit Leadership, and Public Administration (NLPA)

NLPA 101 - Introduction to Nonprofit Management

An introduction to the nonprofit sector; emphasis on leadership and decision-making in rapidly growing areas of health and human service, cultural, environmental, educational, charitable, and religious organizations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

NLPA 120 - Civic Engagement and Community Decision-Making

An introduction to civic engagement in a democratic society with a focus on the complex nature of public policy making and the role each citizen plays in the formation and modification of socially just public policies. Students will gain introductory skills in civil voice, civil discourse, public policy analysis and community mobilizing for social good.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

NLPA 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

NLPA 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

NLPA 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

NLPA 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

NLPA 200 - Empowered to Serve

Planning a career where you will help others? The interdisciplinary approach of this course introduces students to the historical, cultural and ethical context of service; investigates the increase in the number of helping professionals; takes students on a journey of personal empowerment; and offers theories and best practices that prepare them to empower the persons they will serve in their professions. Assigned readings, case studies, service-learning experiences, structured reflection and discussions empower students to understand and develop individual purpose, become lifelong learners, and combine knowledge, skills, values and motivation to make a difference in the lives of those they serve. This course would be especially useful for students seeking careers in helping professions such as animal care and protection, community and public service, counseling, education, health and wellness, human rights, legal and protective services, the military or social services.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

NLPA 230 - Introduction to Public Administration

This interdisciplinary and global approach to public administration will explore the theories and best practices employed by public servants to promote the public good through ethical, culturally competent, and efficient and effective service provision. Through case studies and service-learning projects, students will be encouraged to consider a cross sector approach for implementing and evaluating policies and procedures that impact quality of life both domestically and globally. Students will develop a greater understanding of the role public servants have in their lives, develop skills employed by these professionals and explore public service career opportunities.

Credits: 3

Term(s) Typically Offered: Offerings Vary

NLPA 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

NLPA 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

NLPA 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

NLPA 305 - Financial Best Practices for Decision Makers

Emphasizes practical use of accounting information to support decision making by those in fields such as business, sports, resort management, government, education, and not-for-profit. Overview of financial and managerial accounting from a user's perspective, including use and analysis of financial statements, internal control, budget preparation, and cost and revenues behavior patterns. (For non-business majors)

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 320 - Community Change and Development

This course surveys the field of community development within the context of community collaboration and civic leadership. Topics include social capital, asset-based community development, sustainable community programs, economic development programs, private/public partnerships, and the shared role of the private, public, nonprofit sectors and everyday citizens in community development.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 325 - Social and Ethical Issues in Philanthropy and Fundraising

Resource development, including grant writing and social entrepreneurs, is increasingly important to the future of nonprofit and educational organizations. This course addresses methods for integrating resource development and income generation into an organization's life. Three themes are found in this course: resource development as a management function, resource development as a management process, and issues in resource development.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 328 - Program Design and Evaluation in Nonprofit and Governmental Organizations

Effective and efficient programs change lives! This course offers students the strategies and best practices for designing high quality programs, the tools and ethical framework to monitor program delivery, the qualitative and quantitative research skills essential for relevant evaluation and the necessary processes for program elimination, modification and scaling. Through case studies, service-learning projects and other hands-on assignments, students will be challenged to apply concepts to practice including the preparation of SMART objectives, logic models, project timelines, evaluation plans, program reports and recommendations for future programming.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 450 - Internship

Supervised placement in selected professional agencies.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

NLPA 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Philosophy (PHIL)

PHIL 101 - Introduction to Philosophy

A first encounter with the nature and methods of philosophical thinking in which a person's view of his/her own nature and of the world becomes challenged, explored and deepened. Students read a diverse range of primary texts, both classical and contemporary, western and non-western. They may also view films and other media that present philosophical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 110 - Ethics and Civil Discourse

An introduction to the practice of civil discourse through a philosophical study of ethics from theoretical and applied perspectives.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 113 - Formal Logic

An introduction to the standards and methods of inference utilized in formal systems of logic including traditional syllogistic logic and modern propositional logic. Phil 113 is designed to improve students' ability to recognize fallacies in reasoning, to identify and make valid inferences, and to construct sound arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 123 - Ethics

An introduction to the study of questions concerning right action, moral obligation, and an examination of various theories of moral judgment. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially philosophy, and the perennial questions that philosophy addresses. Students engage a diverse range of primary texts in ethics and ethical theory, both classical and contemporary, western and non-western. They also view and analyze films and other media that present ethical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 140 - World Religions

This course is designed to be a survey of religious traditions from across the globe and an exploration of their philosophies and world views. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially religious studies and comparative religion. Students engage a range of primary and secondary texts to gain a comparative understanding of the world's religions.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 163 - Philosophy in Literature

An examination of the philosophical content of poetry, prose, and film of exceptional literary and philosophical merit. This course introduces students to the many forms of inquiry and analysis conducted in the humanities, especially philosophy, and the perennial questions that philosophy addresses. Students engage a diverse range of literary texts, both classical and contemporary, western and non-western. They also view and analyze films and other media that present philosophical arguments.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

PHIL 170 - American Philosophy

An investigation of the historical genesis of American culture through a reading of the prominent philosophical literature the culture has produced.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

PHIL 171 - Philosophy of Human Existence

An investigation into and discussion of the central themes of existential philosophy. Philosophers such as Kierkegaard and Nietzsche will be studied in terms of their retrieval of the meaning of human existence.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

PHIL 180 - Philosophical Inquiry

This course guides students through the method of philosophical inquiry by exploring philosophical problems and questions in the broader context of humanistic inquiry.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHIL 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHIL 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHIL 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHIL 313 - Symbolic Logic

An advanced investigation of logical thought through the use of special techniques of symbolization, the logic of unquantified and quantified propositions, the nature and limits of logical systems and the foundation of mathematics are some of the important topics considered.

Prerequisites: PHIL 113^D or MATH 120^D or MATH 199^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 324 - Environmental Ethics

An analysis of environmental issues using a philosophical understanding of nature, with a consideration of the ethical responsibilities in the use of the earth's resources, behavior toward non-human species, and obligations toward future generations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 325 - Medical/Health Care Ethics

A course in applied ethics about conceptual, ethical, and legal dilemmas in the institutional rights of patients, in the responsibilities of practitioners, in technological challenges to values in the modern age in caring for the seriously ill and the dying, and in rationing health care in a large society.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 326 - Business Ethics

A study of applied ethics about the conceptual and ethical dilemmas in the business professions. An examination of cultural challenges of social and moral responsibility in a technically sophisticated economic climate.

Credits: 3

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 331 - Social and Political Philosophy

An in-depth study of central concepts and issues in social and political thought from multiple, diverse perspectives. Issues may include just and fair societies, theories of political obligation, and theories of citizenship and civic engagement with regard to diverse, heterogeneous communities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 335 - Philosophy of Law and Justice

A study of multiple theories of law and the nature of law's relation to justice with special emphasis on a notion of justice for institutions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 336 - Philosophy of Gender and Sex

This course will examine concepts, values and assumptions relevant to gender and sex in our diverse society. Topics to be explored may include the ontological status of gender and sex; the cultural representations of masculinity, femininity and sexuality; or the relationship between gender, society and power, and its epistemological and ethical consequences.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 338 - Ethics, Technology, and the Future

This course considers ethical, sociopolitical, epistemological, and metaphysical issues arising from the design and use of emerging technologies, including information technologies, robots and autonomous machines, neurological and implantable technologies, genetic engineering, and artificial intelligence, as well as the more speculative technologies of science fiction.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

PHIL 341 - Philosophy of Religion

A critical inquiry into the nature and validity of religious belief and experience, its relation to other human interests, its diversity, and its contemporary significance.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 343 - Asian Philosophy

An investigation of the central religions and philosophical ideas of Oriental cultures, focusing primarily on the cultures of India, China, Japan and Southeast Asia.

Credits: 3

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 351 - Philosophy of Natural Science

An in-depth examination of the nature of natural science, including its aims, methods, central concepts, and limits and a thoughtful appraisal of its significance for the modern age.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 361 - Philosophy of Art

Exploration of basic issues and philosophical views of the experience of the arts. This course aims at the understanding and enhancement of the experience of the arts, and at a thoughtful appraisal of the role of art in life.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 362 - Philosophy of Mind

This course considers philosophical perspectives on the nature of mind and its relation to the world. Topics covered include the mind-body problem, the nature of consciousness, personal identity and the nature of the self, free will and moral responsibility, and the implications of technology for the future of human consciousness.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 371 - Ancient Western Philosophy

A study of the major philosophers and schools of philosophy in the ancient Western world and their influence on the medieval period. The course examines basic questions and concepts in theory of knowledge, logic, ethics, politics, aesthetics, and metaphysics as found in the works of thinkers like Plato, Aristotle, the Presocratics, the Stoics, and the Epicureans. Students will consider how ancient philosophy continues to provide insight and inspiration in the contemporary world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 372 - Modern Western Philosophy

A study of Western philosophy from the Renaissance through the Age of Enlightenment and into the early nineteenth century, this course traces the basic concepts and problems of the period, especially problems of knowledge, ethics, and metaphysics. Students will consider the contribution of modern philosophers to the Scientific Revolution and to the development of the scientific method, as well as how modern philosophy continues to provide insight and inspiration in the contemporary world.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 373 - Modern Authors and Issues

Variable content within the modern contemporary period of philosophical thinking. Repeatable to 6 credits.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 375 - Existentialism and Phenomenology

A study of important twentieth century philosophers in terms of their attempt to establish a new approach to philosophy and their reaction and attempt to overcome Western metaphysics.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 490 - Independent Study

A special course designed primarily for students seeking knowledge in philosophy beyond course offerings. The student's interests, in consultation with department members, determines the topics covered. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHIL 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Physical and Health Education (PHED)

PHED 106 - Gymnastics Fundamentals

This course is based on the study of PreK-12 developmentally appropriate gymnastics, with the recognition of individual and group uniqueness, acknowledging and valuing diversity. An emphasis will be placed on an educational gymnastics approach, utilizing movement concepts appropriate for teaching children body awareness and body control. Students will also learn skill progressions, spotting techniques, and biomechanical principles involved in a variety of gymnastic skills performed on traditional and non-traditional gymnastics equipment.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

PHED 107 - Aquatic Fundamentals

This course is designed to provide the student with an overview of a variety of aquatic activities. Consideration is given to basic swimming strokes, starts and turns, small craft safety, skin diving, elementary non-swimming rescue techniques, diving progressions from the deck, springboard diving, synchronized swimming, water polo, personal fitness, and aquatic games. This is a Theory and Technique Course (open to Physical Education majors or Aquatics minors only).

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in School Wellness Education, Health-Physical Educ Teaching, Health and Physical Education or Aquatics.

PHED 113 - Golf

This course is designed to introduce the student to all phases of golf through application of the skills used in these activities. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 114 - Orienteering

This course is designed to teach the fundamental skills for traveling in the outdoors by map and compass in unfamiliar territory, and to introduce the sport of orienteering. The sport involves competitive cross country hiking/running on a set course as accurately and quickly as possible. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 115 - Yoga and Well-Being

Yoga and Well-Being is an experiential and theoretical course that will introduce the student to the practice and examination of Yoga. The course will cover the practice of yoga postures (asanas), the use of controlled breathing (ujjayi) the engagement of body locks (bandhas), the study of yoga's historic background and the benefits of meditation and relations techniques. Additionally it will examine postures from an anatomical perspective providing the student with a comprehensive examination of proper alignment and correct positioning of the body in order to avoid injury. The course will present the many benefits of Yoga at a physical, mental and emotional level, and its application to the needs of our society today.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

PHED 123 - Stand-Up Paddle Boarding

This introductory course is designed to explore the fundamental skills and safety concepts necessary to paddle stand-up paddle boards (SUPs) effectively. Safety procedures will be emphasized such as, selection of waterways appropriate for an individual's skill set and experience level, self-rescue and group rescue approaches. Various paddling techniques including power strokes, turning strokes and bracing with the paddle will be examined. In addition, equipment selection and care, boating regulations, trip planning and logistics, outdoor leadership, basic water reading skills, flat water navigation skills, white water classification and minimum environmental impact techniques will be addressed. An overview of the various types of stand-up paddle boards (SUP) as well as necessary safety equipment will be explored.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms Odd

PHED 125 - Bicycling

This introductory course is designed to explore the fundamental skills and safety concepts necessary to participate in bicycling effectively. Cycling techniques related to both on-road and off-road will be examined. Safety procedures, bicycling control, fitness and social benefits to the rider will be emphasized. Current trends in cycling technology will be examined. Additionally, strategies to minimize environmental impact will be explored.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms Even

PHED 131 - Foundations of Leadership in Physical Activity

This course is designed to introduce the student majoring in Leadership in Physical Activity to the history, philosophies, professional organizations, important concepts, careers and trends in physical activity leadership.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 133 - Tai Chi Chuan: Chinese Classical Exercise

An introduction to the Chinese Classical Exercise System inspired by the Chinese "Book of Changes. Tai Chi Chuan concentrates on relaxed movement, proper breathing and attention to posture. Any age or physical performance level may participate. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHED 140 - Downhill Snow Skiing I

This course students to acquire a basic knowledge and appreciation of skiing as a sport and as a life-time leisure activity. Safety procedures and skiing etiquette also are discussed. Instruction takes place at Peek N' Peak Ski Resort. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 141 - Personal Physical Fitness

This course provides students the opportunity for individual assessment and exercise programs to improve and/or maintain physical fitness and weight control. Principles involved with the maintenance of physical fitness, weight control, diets, and the aging process will be provided through lecture. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 146 - Beginning Swimming

This course is designed to provide the novice or non-swimmer with the opportunity to learn elementary back stroke, water safety skills, diving and adjustment to water. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 149 - Tennis

This course teaches basic fundamentals. The rules, regulations, and history of tennis also will be covered, along with strategies of the single and double games. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 152 - Principles of School Wellness I

This course is an orientation to the art and the science of teaching physical education at the K-12 levels. Framed within the Collaborative Approach to Learning and Health: Whole School, Whole Community, Whole Child, students will study this latest collaborative approach to learning and health which is reflective of a local community and anchored in schools. Required school observations in diverse settings will provide students with the experience to observe and reflect upon class climate, responsibilities for fostering a positive learning environment and high quality teaching. The study of health trends in youth will envelop the latest model of how schools are promoting a comprehensive school-based physical activity model and the role physical education teacher play in it. Schools central to professional development including a writing assessment, resume development and starting a professional portfolio are used as artifacts of reflective practice at this initial state of teacher education. This is a Theory course (open to Physical Education majors only).

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

PHED 166 - Coaching Practicum

The coaching practicum is designed to provide the student with a realistic experience at a level and in a setting similar to that in which he/she wishes to obtain employment. The practicum experience is a 50-hour learning opportunity in which the student assists in all phases of the operation of an athletic program. The student may not be the head coach, unless a direct supervisor is present. The student may not be a current participating athlete on the team. The student may not work with the same team twice. Each experience must be at a different level if working with the same sport. A minimum of two different sports must be included in the practicum experiences. (For example: HS baseball, Little League baseball, HS football). Each student must complete a contract with the athletic program and submit the contract to the coaching practicum coordinator (University supervisor) for approval. The coordinator will then contact the athletic program for verification of the learning experience, dates of the experiences and details of evaluation procedures.

Prerequisites: (PE 106^D or PHED 106^D) and (PE 171^D or PHED 171^D or PE 356^D or PHED 356^D) and (PE 175^D or PHED 175^D) and (PE 177^D or PHED 177^D) and (PE 260^D or PHED 260^D) or (PE 242^D or PHED 242^D)
^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring & Summer Terms

PHED 168 - Physical Activity and Wellbeing in Society

This course introduces students to inquiry techniques and strategies used to study human behavior in the social sciences. Also reviewed are patterns of social behavior as they relate to physical activity and well-being. Students will examine why physical activity behaviors have changed over time, and the effects these changes have had on humans and society. Students will analyze physical activity trends and initiatives throughout the world, and using a social-ecological approach will design a solution for how communities, businesses, schools and workplaces can re-engineer physical activity back into society.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 175 - Teaching of Track and Field

Emphasizes track and field skill acquisition along with identification of appropriate teaching methods associated with these activities. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 177 - Teaching of Self-Defense/Lacrosse

The course deals with the skills, knowledge, and attributes needed for self-defense and lacrosse. This course also emphasizes the teaching, coaching, officiating, and physical skill development of men's and women's lacrosse. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 181 - Adventures in Backpacking

This course teaches the basic knowledge and skills of backpacking travel in a temperate environment. Techniques such as how to use and to carry a backpack, hiking skills including route selection and trail negotiation with a pack, map, and compass techniques, knowledge and care of backpacking equipment, planning backpacking trips, and environmentally sound backpacking skills will be covered. The course includes a mandatory weekend trip to put skills to practical use. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 182 - Introduction to Rock Climbing

This course introduces students to the fundamental skills of top rope rock climbing. Beginning skills in belaying, static climbing, rappelling, prussiking, artificial wall climbing safety considerations and minimal environmental approaches will be covered. The student will be introduced to various teaching methodologies and classroom management approaches specific to rock climbing community and commercial settings.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

PHED 184 - Adventure Games

This course is designed to provide physical activity and direct experience in adventure challenges requiring self-discipline, willingness to try, and personal commitment. Coursework includes physical fitness and flexibility exercises, aerobic games, cooperative games and nongames, group initiatives, trust activities, and challenge course low and high elements involving perceived physical and psychological risk and challenges. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 186 - Cross Country Skiing and Snowshoeing

This introductory course is designed to explore the fundamental skills and safety concepts necessary to participate in cross country skiing and snowshoeing effectively. The physical and cognitive benefits of outdoor aerobic activities will be addressed. Safety approaches to cold weather activities will be explored. Various skiing and snowshoeing techniques including diagonal stride, kick concept, double poling, descending/ascending, striding, turning and walking/running will be examined. In addition, equipment selection and care, trip planning and logistics, and minimum environmental impact techniques will be addressed.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

PHED 187 - Flat-water Canoe Tripping

This course teaches the basic skills and concepts of flat-water canoe camping, such as how to enter and to exit a canoe, tandem paddling techniques, canoe safety, and canoe portaging. Students will also learn basic canoe camping skills, including food planning, how to use camping equipment, and minimum impact camping techniques. Students will participate in a mandatory weekend canoe camping experience to put learned skills to practical use. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 188 - Sailing

This course offers students an opportunity to develop skills, to learn techniques, and to achieve personal satisfaction in beginning sailing. The course also involves the knowledge and application of the rules of water safety to the sport of sailing. This class is designed for beginners. At its conclusion students will be able to enjoy sailing as a lifetime recreational sport. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 189 - Basic Canoeing

Instruction focuses on the fundamental skills and concepts needed to operate a canoe effectively. Furthermore, the student will be introduced to various teaching methodologies and classroom management approaches for teaching in non-traditional settings. Safety procedures will be emphasized including self-rescue and group rescue approaches. Various paddling techniques including power strokes, turning strokes and bracing with the paddle will be examined. In addition, equipment selection and care, boating regulations, trip planning and logistics, outdoor leadership, basic water reading skills, white water clarification and minimum environmental impact techniques will be addressed. An overview of the various types of and safety equipment will be explored.

Credits: 2

Term(s) Typically Offered: Offered as Needed

PHED 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHED 191 - Foundations of School Wellness

This course is designed to introduce the student to the historical, philosophical, cultural and sociological influences that have shaped the profession of teaching health and physical education. A foundational perspective will be taken to clarify the related disciplines, history and current issues of health and physical education and of education, from the ancient cultures to the 21st century. Including the framework involved in the Whole School, whole child, whole Community (WSCC) Model, the Comprehensive School Physical Activity Program (CSPAP) and the Health Optimizing Physical Education (HOPE) Model.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

PHED 192 - Diversity Issues in Physical Education

This course will explore differences among students within a variety of physical education settings. Students will learn about other people and explore how others view participation in physical activity and exercise. This course will help students become sensitive to and appreciate the diversity of others, thus, demonstrating responsible social behaviors that will enable them to interact in a positive manner with diverse groups within the physical education enrichment. This is a Theory and Technique Course.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

PHED 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHED 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHED 202 - Technology for Wellness

This course is designed to provide the student with an overview of the various types of technology that can be utilized in the area of wellness and fitness. The purpose of this course is to familiarize and enhance students' technology skills to support instruction in various education, wellness and fitness settings. The course includes personal computer use in creating materials to enhance instruction, promotion and assessment. Also included are other emerging technologies, in addition to various internet options. A portion of the course will be conducted using SRU's Learning Management System.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 227 - Introduction to Adapted Physical Activity

Develop an understanding of disabilities and apply that knowledge in the application of active-living, community-based physical activity programs.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

PHED 230 - Teaching and Coaching of Track & Field

This course is designed to introduce the student to the teaching and coaching aspects of track & field. Skill acquisition, strength and conditioning methods, teaching and coaching skills and historical perspectives of track & field will be studied. Emphasis will be placed on planning and applying developmentally appropriate activities for all learners.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms, Offerings Vary

PHED 231 - Strategies for Teaching Physical Activity

This course is designed to teach evidence-based educational methods and adult learning strategies to equip the student to educate individuals throughout the lifespan through: 1) a basic understanding of learning and developmental theories; 2) communication techniques; 3) positive behavior management; 4) environmental modifications; and 5) group engagement strategies.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 236 - Introduction to Kayaking

This introductory course is designed to explore the fundamental skill and safety concepts necessary to paddle a kayak effectively. Safety procedures will be emphasized such as entering and exiting the kayak, the bow rescue, the Eskimo roll, as well as self-rescue and group-rescue approaches. Various paddling techniques including power strokes, turning strokes, and bracing with the paddle will be examined. In addition, equipment selection and care, boating regulations, tripping planning and logistics, outdoor leadership, basic water reading skills, white water classification and minimum environmental impact techniques will be addressed. An overview of the various types of kayaks and kayaking, such as whitewater kayaks, sit-on-top kayaks, and touring kayaks, as well as necessary safety equipment, will be explored.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

PHED 237 - Emergency Medical Response

This course is designed to provide the student with the knowledge and skills necessary to work as an emergency medical responder (EMR) to help sustain life, reduce pain and minimize the consequences of injury or sudden illness until more advanced medical help takes over. The course content meets or exceeds the current Emergency Medical Services Educational Standards for Emergency Medical Responders and current NATA Education Competencies.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 238 - Applied Principles of Exercise

This course will provide students with an understanding of applied exercise principles associated with both health and skill related fitness, topics will include: warm up and cool down protocols, exercise frequency, intensity, type and time (FITT) principles, overload, progression, specificity, regularity and individuality (Basic Training Principles) and target heart-rate.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 240 - Downhill Snow Skiing II

Advanced techniques of downhill skiing are presented. Instruction takes place at Peek N' Peak Resort. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 241 - Outdoor Pursuits

This course is designed to introduce the student to the varied but interrelated topics of outdoor pursuits, adventure programming, experiential education, group problem-solving, and cooperative games philosophy. The course will provide physical activity, direct experience, and leadership techniques in adventure challenges which require self-discipline, a willingness to try, and personal commitment. This is a Theory and Technique Course.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

PHED 242 - Physical Health and Fitness Education

This course is designed to provide knowledge of evidence based benefits associated with regular physical activity along with knowledge to develop, organize, administer and assess age appropriate physical activity and fitness programs for children, adolescents and adults.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 243 - Educational Movement in Health & Wellness

This course helps students achieve individual competency in applying educational gymnastics, fundamental movement, educational/multicultural games and educational/creative dance to learn Laban's educational movement concepts through the use of cooperative learning, problem solving and guided discovery. Students construct developmentally appropriate interdisciplinary standards-based expressive movement experiences that show meaningful application to children's learning inclusive of children with special needs and English language learners. Content will also address health and wellness concepts central to grades PreK-4 as it relates to educational movement. Students will reflect (metacognition) upon their educational movement experiences including but not limited to individual competency, diversity, critical thinking, core subject integration and differentiating instruction.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

PHED 250 - Equine Assisted Activities

An introduction to equine assisted activities including basic safety skills, lesson preparation, benefits for individuals with disabilities, tack/equine selection, and certification procedures. Students will gain practical experience through riding horses and assisting individuals with disabilities during lessons.

Credits: 3

Term(s) Typically Offered: Offered as Needed

PHED 253 - Principles of School Wellness II

This course is an orientation to the art and the science of teaching physical and health education at the K-12 levels. Framed within the National Standards & Grade Level Outcomes for K-12 Physical Education (SHAPE America, 2024) pre-service teacher candidates will study curriculum models, grade level outcomes, class organization, management and safety techniques, developmentally appropriate communication techniques, health and wellness integration strategies infused in lessons, locating and using professional resources for planning and teaching, lesson plan writing, a spectrum of direct and indirect teaching styles, systematic observation tools, teaching and post-lesson reflecting. Skills central to professional development include lesson plan writing, class organization and management documentation, systematic observation of teaching, post-lesson reflecting.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 258 - Social & Emotional Wellness

This course is designed to examine topics relating to psychosocial health & wellness of school aged youth as a part of a comprehensive approach to school wellness. Future educators will learn how to address topics such as respect and appreciation for all persons, bullying, conflict resolution, stress reduction, suicide prevention, depression, anxiety and high-risk behavior with K-12 students.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 262 - Adapted Aquatics

Develop knowledge base in the study of disability through discussion and practical experiences as it relates to aquatic programming.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 263 - Lifeguarding

The lifeguarding course is designed to provide lifeguard candidates with skills and knowledge necessary to keep patrons of aquatic facilities safe in and around water. This course includes techniques with aquatic-specific first aid and cardiopulmonary resuscitation (CPR) training, Automated External Defibrillation, Oxygen Administration and training in specific water environments. Offered to all students.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

PHED 266 - Disability Sport in the 21st Century: A Global Perspective

This course is designed to introduce the students to the study of Disability Sport across the world. Students will study the history, current movement, and future developments of Disability Sport in an ever changing and emerging field of sport for persons with disabilities.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

PHED 268 - Contemporary Topics in Health

This course is designed to introduce students to current issues in health and wellness and provide opportunities for students to assess health needs in school and community settings. In this course, students will identify programs and initiatives that promote healthy living and improve well-being based on the health needs of society.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

PHED 270 - Psychological and Sociological Bases of Sport

This course provides students with an understanding of the relationships between sport and various psychological and sociological factors. This is a Theory and Technique Course.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 272 - Enhancing Fitness through Running and Walking

This course is designed to teach students how to personally perform and to lead others in aerobic physical activities using indoor and outdoor settings. This course focuses on leading fitness enhancing activities through running, trail-running, Nordic walking, community walking and hiking. These activities are designed to improve aerobic fitness, manage weight and promote healthy lifestyles. The settings include roadways, trails and community common areas. Course content centers on individual and group health and fitness, and strategies for conveying this information.

Credits: 2

Term(s) Typically Offered: Offered as Needed

PHED 274 - Assessment Strategies in Physical Education

This course content is designed to give the student an understanding of assessment techniques used in physical education. Students will learn the various techniques used for assessing as applied in the public school setting. Students will have the opportunity to use several of the computer applications related to physical education. This is a Theory and Technique Course.

Prerequisites: (PE 152^D or PHED 152^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

PHED 275 - Women in Sport

This course emphasizes the problems, processes and patterns of sport involvement of women in utilizing an historical, sociological, psychological and biological approach. The focus is primarily on women in the United States, although the sport participation of women in other cultures is also examined. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 3

Term(s) Typically Offered: Offered as Needed

PHED 276 - Skate-Based Action Sports

This course explores the fundamental skills and safety concepts necessary to engage in skate-based action sports effectively. Safety procedures such as, choosing locations and terrain appropriate for an individual's skill set and experience level are emphasized. Skate-based learning progressions address various skating techniques including proper stance, effective stopping, efficient pushing, turning, carving, sliding, core-specific land paddling strokes and bracing with the paddle. In addition, equipment selection and care, safety equipment requirements, regulations, trip planning and logistics, outdoor adventure leadership, and minimum environmental impact techniques are examined. There is an overview of the various types of skateboards longboards/land paddling boards and in-line skates as well as necessary safety equipment.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

PHED 289 - Advanced Canoeing

This course teaches students the advanced skills and techniques of canoeing. Safety instruction is emphasized. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 1

Term(s) Typically Offered: Offered as Needed

PHED 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHED 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHED 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHED 301 - Sports Officiating

This diverse class is designed to provide the student with an overview of the techniques required for officiating various sports. The official's role and rules of the game(s) will be presented, and opportunities will be provided for practical officiating experience. This will be followed by comprehensive analysis of the student's officiating style, knowledge of the rules and professionalism.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 302 - Foundations of Online Teaching and Learning

The course is designed to provide learners opportunities to understand the foundations of distance education. Students will be able to demonstrate competencies and skills to apply instructional strategies to develop curriculum that meets the needs of distant learners. In addition, students will be able to use various assessment methods to evaluate student learning through distance education.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 303 - Using Educational Technology to Enhance Learning

This course is designed to provide students with the knowledge and skills necessary to effectively use educational technology to enhance learning in both a traditional face-to-face classroom and also through distance or cyber education.

Credits: 3

Term(s) Typically Offered: Offered Winter Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 304 - Teaching Physical Education through Distance Education

This course is designed to provide students with the knowledge and skills necessary to effectively teach physical education through distance or cyber education.

Prerequisites: (PE 302^C or PHED 302^C) and (PE 303^C or PHED 303^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 305 - Teaching Health Education through Distance Education

This course is designed to provide students with the knowledge and skills necessary to effectively teach health education through distance or cyber education.

Prerequisites: (PE 302^C or PHED 302^C) and (PE 303^C or PHED 303^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 306 - Conditioning for Athletic Performance

This course is designed to engage and immerse students in the theory and application of power and speed training as well as athletic motor skill development. Students will study the relationships among biomotor abilities and apply training principles and methods associated with the development of power-based athletic skills. Students will design and apply daily-, short- and long-term training programs for coaching athletes who seek improved athletic performance.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 310 - Elementary School Wellness Skills and Fitness Activities

This course is designed to engage and immerse the student in the Society for Health and Physical Education (SHAPE) elementary grade level standards for health and physical education knowledge and skills. Along with these standards this course will engage students in developmentally appropriate activities and lesson plan concepts that will ensure the teacher candidates understand the developmental progression of fundamental motor skills, their application to higher level movement, fitness and rhythmic. Teacher candidates will develop knowledge to create physically literate elementary aged learners who are prepared to lead a healthy active and well life.

Prerequisites: PE 152^C or PHED 152^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 311 - Middle School Wellness Skills and Fitness Activities

This course is designed to engage and immerse the teacher candidate in the Society for Health and Physical Education (SHAPE) middle school grade level standards for health and physical education knowledge and skills. Along with these standards this course will engage teacher candidates in developmentally appropriate activities and lesson plan concepts that will ensure that they understand how to develop physical skills and knowledge to create physically literate middle school aged learners are prepared to lead a healthy active and well life.

Prerequisites: (PE 310^C or PHED 310^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 312 - Secondary School Wellness Skills and Fitness Activities

This course is designed to engage and immerse the teacher candidate in the Society for Health and Physical Education (SHAPE) high school grade level standards for health and physical education knowledge and skills. Along with these standards this course will engage teacher candidates in developmentally appropriate activities and lesson plan concepts that will ensure that they understand how to develop specialized health optimizing physical activity and knowledge to create physically literate high school aged learners who are prepared to be healthy and active adults and college or career ready.

Prerequisites: (PE 310^C or PHED 310^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 328 - School Nutrition and Wellness

This course will provide students with information about the K-12 school nutrition environment and school nutrition services as defined by the Society of Health and Physical Educators (SHAPE America). Students will learn strategies for teaching K-12 students to reach and maintain a healthy weight as well as strategies for modeling healthy dietary behaviors and providing opportunities for healthy eating in schools. The role of the collaboration between school wellness educators, food service personnel, School Nurses and Registered Dietitians for improving students' nutrition and wellness will be discussed. This course is designed to provide the student with an understanding of the fundamental aspects of nutrition concepts and how they are applied to the K-12 settings.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 331 - Evidence-Based Physical Activity

This course is designed to introduce students in current theories, models and successful interventions used in physical activity promotion including: factors/barriers influencing physical activity among children/adolescents and adults. The focus of the course is on the acquisition of evidence-based practices that lead to appropriate assessment strategies, implementation models and evaluative techniques.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 332 - Administration and Management of Physical Activity

This course is designed to teach students how to ethically administer, manage and evaluate physical activity programs in the community with respect to managing operations, developing and managing financial resources and managing human resources.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 334 - Applied Methodologies in Adventure

This course is designed to teach evidence-based educational methods and learning strategies to equip the student to educate individuals in a variety of adventure throughout the lifespan through variety of adventure activities. A number of pertinent topics specific to adventure education will be addressed including, foundational knowledge, self-awareness and professional conduct, decision making and judgment, experiential teaching and facilitation, environmental stewardship, adventure program management, adventure safety and risk management, inclusive learning, and technical ability.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in School Wellness Education, Health-Physical Educ Teaching, Health and Physical Education or Adventure Fitness.

PHED 335 - Science of the Mind-Body Connection

This course will introduce students to a variety of fitness activities such as yoga, Pilates along with other physical activities associated with nature all with a mind and body connection and associated with stress management and overall health-related fitness. This course will explore the interconnectedness of the mind and body in relation to quality of life and prevention of chronic disease.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 338 - Teaching and Leading Group Exercise

This course provides opportunities for practical skills and instruction to prepare the student to teach and lead various large group fitness activities involving children, adolescents and adults. Emphasis is placed on design, developmental appropriateness, safety and modifications for diverse populations who are apparently healthy.

Prerequisites: (PE 238^D or PHED 238^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 342 - Wellness through Movement

This course is designed to provide the student with scientifically based knowledge concerning the benefits of physical activity along with the consequences associated with a lack of physical activity both on a personal and societal level. Students will participate in application of physical activity training, health-related fitness assessments and lifestyle modification activities.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 345 - Teaching and Coaching of Water Polo

This course is designed to introduce the student to the teaching and coaching aspects of water polo. Skill acquisition, strategy and tactics, strength and conditioning, teaching and coaching skills for water polo will be studied. Emphasis will be placed on planning and applying developmentally appropriate activities for all learners.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 348 - Aquatic Leadership

This course is designed to prepare students for leadership responsibilities in the field of aquatics. Program development, facility operation, risk management, and staff management will be included in this course.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 349 - Skin and Scuba Diving

This course provides students with the opportunity to learn a wide variety of skin and scuba diving skills, including rescue techniques. In addition, emphasis will be placed upon the following: 1) selection, care, and use of diving equipment, 2) physical and biological aspects of various diving environments, 3) first aid as applied to scuba diving, including cardio-pulmonary resuscitation, and 4) aspects of physics, physiology, and medicine related to the diver's performance in the water. This is a Wellness and Lifetime Activity Course (offered to all students).

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 352 - Secondary Physical Education Teaching Methods

Designed as a third level pedagogy class. This course offers "in-depth continuation of the study and application of effective teaching and learning in the secondary physical education classroom. This is a Theory and Technique Course (open to Physical Education majors only).

Prerequisites: (PE 274^D or PHED 274^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 353 - Adapted Physical Activity and Health Through the Lifespan

This course is designed to investigate the concept of transition across the lifespan with regard to health promotion and physical activity for individuals with disabilities. Students will develop and implement appropriate physical activity programs for specific developmental lifespan stages.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 356 - Net/Wall Activities and Games

This course is designed to introduce the student to games and skills associated with a variety of racquet activities and games, which will include tennis, badminton, racquetball, volleyball, and table tennis. Emphasis will be placed on planning and applying developmentally appropriate activities for all learners. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 357 - Territory Activities and Games

This course is designed to introduce the student to the games and skills associated with a variety of territory activities and games, which will include flag football, basketball, hockey and soccer. Emphasis will be placed on planning and applying developmentally appropriate activities for all learners.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 358 - Lifetime/Leisure Activities and Games

This course is designed to introduce the student to the games and skills associated with a variety of target activities including, but not limited to, golf, bowling, and archery. Emphasis will be placed on planning and applying developmentally appropriate activities for diverse learners. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 359 - Striking/Fielding Activities and Games

This course is designed to introduce the student to the games and skills associated with a variety of striking/fielding activities, which will include softball, cricket, and rounders. Emphasis will be placed on planning and applying developmentally appropriate activities for all learners. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 2

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 360 - Anatomical and Physiological Basis of Physical Activity/ Lab

This course is designed to provide the basic anatomical and physiological principles that have direct application to physical activity movement and health for populations. Weekly laboratory sessions will provide practical application experiences to illustrate the theoretical knowledge base.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 362 - School Health Education Methods

The course focuses on Health Education curriculum design and developmentally appropriate instructional techniques that can be utilized for health promotion in school settings. Course included universally accepted pedagogical strategies with opportunities to observe and practice these strategies with K-12 health education content.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the BSED1151 program.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 363 - Lifeguarding Instructor

The purpose of the Lifeguarding Instructor course is to train instructor candidates to teach lifeguard training, first aid, lifeguard management, CPR for the professional rescuer, AED essentials, oxygen administration for the professional rescuer, preventing disease transmission, community water safety, and basic water rescue. The training in this instructor course prepares instructor candidates by developing their understanding of how to use course materials, how to conduct training sessions, and how to evaluate participants' progress.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 369 - Philosophy and Psychology of Coaching

This course emphasizes the relationships involved in the association of the coach with the administration, student body, players, press and community. This is a Theory and Technique Course.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 378 - Teaching and Leading of Strength and Resistance Training

This course is designed to provide practical knowledge to prepare students to teach, lead and effectively design individualized weight training and/or a muscular fitness programs. Students will apply principles of resistance training in a hands-on setting with specific emphasis on techniques, strength and endurance training, safety procedures, equipment and individualized programming.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 379 - Fitness Management

This course provides the knowledge base to effectively design, promote, manage and assess health related fitness programs in a variety of community and commercial facilities. A wide range of teaching, leading and managing practices associated directly with health fitness facilities will be reviewed.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 383 - Motor Development and Learning

This course introduces the student to the factors influencing the changes in the development and learning of motor skills from infancy through adolescence. Practical laboratory activities are utilized to illustrate basic concepts of motor development and motor learning.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHED 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 393 - Nutrition for Physical Activity, Exercise, and Health

Students in this course will study nutrition guidelines and standards for physical activity, exercise, and health. This course will cover metabolism, macro and micronutrients, energy expenditure, and fluid and electrolyte requirements. Current trends and claims of diets and supplements will be evaluated, and nutrition differences between individuals and athletes will be discussed.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHED 420 - Field Experience

This course is designed to provide students with experiences which allow them to apply their knowledge and skills in a practical worksite situation. This is a Theory and Technique Course (open to Physical Education majors only).

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 430 - Living Well

This course, which is the capstone course for the Living Well program is designed to engage and immerse the student in evidence-based literature related to living well while building self-evaluation and motivation strategies. Content areas emphasized will be physical activity, nutrition/dietary guidelines and stress. This course will also engage students in experiential education opportunities and reflection on these experiences. These experiences will be anchored by co-curricular opportunities provided on campus through the Aebersold Recreation Center, Aramark Nutrition Services, the Slippery Rock University Health Center and the Slippery Rock University Leadership office.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHED 446 - Water Safety Instruction

The purpose of this instructor course is to train instructor candidates to teach American Red Cross Swimming and Water Safety courses. It is a certification course for American Red Cross Water Safety Instructor (WSI).

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 450 - Internship

Supervised placement or research in selected private or public agencies.

Prerequisites: (PE 131^D or PHED 131^D) and (PE 231^D or PHED 231^D) and (PE 202^D or PHED 202^D) and (PE 331^D or PHED 331^D) and (PE 332^D or PHED 332^D) and (PE 473^D or PHED 473^D) and (PE 242^D or PHED 242^D) and (PE 360^D or PHED 360^D) and (PE 268^D or PHED 268^D) and (PE 335^D or PHED 335^D)

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered Fall, Spring, & Summer

PHED 452 - Elementary Strategies for School Wellness

This professional methods course will provide the preservice teacher candidate with knowledge and skills to effectively contribute to a culture of school wellness through a high quality physical and health education program. Students will develop best-practice planning, teaching and assessment strategies and apply them in a semester-long field experience involving grades K-6. This will also include designing initiatives from leading comprehensive school wellness programs.

Prerequisites: (PE 253^D or PHED 253^D) and (PE 310^D or PHED 310^D) and (PE 328^D or PHED 328^D) and (PE 383^D or PHED 383^D)

^D Requires minimum grade of D.

Credits: 6

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 455 - Student Teaching - Physical Education

Under the guidance of a cooperating teacher and university supervisor, students in this course engage in two eight-week assignments on a full-time basis in specified school districts and attend scheduled seminars. Additional assignments required. This is a Theory and Technique Course (open to Physical Education majors only).

Prerequisites: (PE 452^C or PHED 452^C)

^C Requires minimum grade of C.

Credits: 12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 460 - Program Design in Adapted Physical Activity

Develops competencies in the implementation of developmentally appropriate activities for children and adults with disabilities in the school and through transitional programs conducted within the community.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

PHED 462 - Secondary Strategies in School Wellness

This professional methods course will provide the preservice teacher candidate with knowledge and skills to teach and lead school wellness education at the middle and high school levels. Strategies for facilitating lessons and activities that promote lifelong physical activity and overall wellness will be employed; and the teacher candidate will work collaboratively with a public school mentor teacher under the supervision of the university professor(s) to implement these strategies in schools.

Prerequisites: (PE 268^D or PHED 268^D) and (PE 253^D or PHED 253^D)

^D Requires minimum grade of D.

Credits: 6

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 468 - Senior Seminar in Physical and Health Education Teacher Education

This course is designed to provide a capstone overview of the organization, management and application of physical education and health instructional and extra-class programs. Content focuses on current issues and trends in the discipline. This is a Theory and Technique Course (open to Physical Education majors only).

Prerequisites: (PE 352^C or PHED 352^C)

^C Requires minimum grade of C.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in School Wellness Education, Health-Physical Educ Teaching or Health and Physical Education.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 472 - School Wellness Assessment and Promotion

Provide teacher candidates with conceptual tools to analyze health-related behaviors of school-aged learners and the social, cultural and environmental context in which they occur. This course will apply theories drawn from public health, psychology and sociology to the process of planning and evaluating wellness instruction in schools that assists learners in developing and maintaining healthy behaviors. The process of collecting, tracking and analyzing health-related data will be included in the course as well as current applications, programs and tools that can be used to track and improve health behaviors.

Prerequisites: (PE 253^C or PHED 253^C)

^C Requires minimum grade of C.

Corequisite(s): PHED 462

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

PHED 473 - Professionalism, Advocacy and Leadership in Physical Activity

This course is designed to actively involve the learner in an advanced study of physical activity. The course is conducted in seminar format and the students will study the application of the principles, methods, organization and administration of individualized physical activity programs and the development of professional, advocacy and leadership qualities and skills.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 485 - Fundraising/Grant Writing in Adapted Physical Activity

This course is designed to develop competencies in fund raising strategies utilizing grant writing skills geared toward corporations and charitable foundations. Students will study the specific skills needed to develop a funding concept, preparation of the proposal, and the establishment of relationships with potential donors.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Special Education or Physical and Health Education.

PHED 490 - Independent Study

With the approval of the students' advisors and departmental chairperson, students may pursue an individual project in physical education especially suited to meet the students' needs. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHED 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHED 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Physics (PHYS)

PHYS 101 - Concepts of Science I with Lab

A descriptive and conceptual course in physics designed for the non-science major. Topics are selected from light, sound, motion, and astronomy to develop a necessary scientific attitude and background for today's society. There are two lectures and one-two hour laboratory per week.

Credits: 3

Term(s) Typically Offered: Offered Every Term

PHYS 102 - Concepts of Science II

A descriptive and conceptual course in physics designed for the non-science major to study energy systems. Topics are selected from heat, electricity, magnetism, and the structure of matter and modern areas of physics, such as lasers, X-rays, and nuclear energy. The purpose of the course is to develop a positive scientific attitude and background for today's society. No laboratory.

Credits: 3

PHYS 103 - Investigating Matter and Energy/ Lab

This is an activity-based and discussion-oriented course designed for the non-science major. The topics of light, matter, heat, and electricity have been selected to help students develop meaningful understanding of some powerful ideas that they can apply to a wide variety of interesting phenomena. Laboratory credit is given for taking this liberal studies enrichment course.

Credits: 3

PHYS 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PHYS 140 - Engineering Graphics I

A beginning laboratory course in technological design and drawing. Topics: lettering, scales, geometric construction, orthographic sketching, and auxiliary views.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms Odd

PHYS 141 - Engineering Graphics II

An advanced laboratory course in technological drawing and implementation. Topics: Vectors, graphing, nomography, isometric pictorials, technical illustration, computer graphics, and working drawings.

Prerequisite: PHYS 140^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

PHYS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHYS 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHYS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHYS 201 - Elements of Physics I with Lab

Introduction to physics at the algebra/trigonometry mathematical level. Topics include: mechanics, fluids, oscillations, waves, and sound. Course is especially designed for students enrolled in health science majors. This course must be taken with Elements of Physics Lab PHYS021.

Credits: 4

Term(s) Typically Offered: Offered Fall, Spring, & Summer

PHYS 202 - Elements of Physics II/ Lab

Introduction to physics at the algebra/trigonometry mathematical level. Topics include: thermal physics, optics, electricity and magnetism, and nuclear physics. Course is especially designed for health science majors. This course must be taken with Elements of Physics II Lab PHYS022.

Prerequisite: PHYS 201^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring & Summer Terms

PHYS 204 - Environmental Biophysics

An introductory course covering the energy problem and alternative solutions; radiation and its effects on man; the eye and vision; the ear, hearing and noise pollution; electrical power production alternatives and the environmental costs; some instruments used in biophysics and medicine.

Credits: 3

PHYS 211 - General Physics I with Lab

Introduction to physics using calculus and including extensive problem solving. Topics include mechanics statics, kinematics, kinetics, work-energy, rotational motion, and impulse-momentum. This course must be taken with General Physics Lab PHYS011.

Prerequisite: MATH 225 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

PHYS 212 - General Physics II with Lab

This is a calculus based course, which follows PHYS 211. It develops the concepts of electric and magnetic fields. Topics covered are Gauss' Law, Ampere's Law, Biot's Law, Faraday's Law, electric charges and their dynamics, capacitance, resistance inductance, etc. Offered fall semester only. Includes a lab.

Prerequisites: MATH 225^D and PHYS 211^D and MATH 230 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

PHYS 213 - General Physics III/ Lab

Covers fluids, hydrostatics and hydro-dynamics, heat transfer and measurements, laws of thermodynamics, vibrating bodies, wave motion, light lenses and optical instruments, interference and diffraction, polarization. This course must be taken with General Physics III Lab PHYS023. Offered spring term only.

Prerequisite: PHYS 211^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Spring Terms

PHYS 216 - University Physics 1 with Lab

First of a two semester calculus based introduction to physics sequence for science, engineering, and mathematics students. Students will acquire knowledge of fundamental physics principles and their applications as well as problem solving skills and laboratory and data acquisition experience. Topics covered: kinematics, dynamics, momentum of particles and rigid bodies, work and energy, gravitation, simple harmonic motion, and waves. This course must be taken with University Physics 1 Lab.

Prerequisite: MATH 225 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 4

PHYS 217 - University Physics 2 with Lab

Second of a two semester calculus-based introduction to physics sequence for science, engineering, and mathematics students. Students will acquire knowledge of fundamental physics principles and their applications as well as problem solving skills and laboratory and data acquisition experience. Topics Covered: Fluids, Thermodynamics, Electricity and Magnetism, Circuits, and Optics. This course must be taken with University Physics 2 Lab.

Prerequisites: PHYS 216^D and MATH 225 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 4

Term(s) Typically Offered: Offered Fall & Spring Terms

PHYS 271 - Astronomy

This course is designed for the general student. Recent findings in astronomy are discussed, i.e., black holes, quasars, etc. Other topics of interest are the evolution of stars, galaxies, and the universe since the big bang. No math required.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

PHYS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHYS 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PHYS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PHYS 301 - Physical Chemistry I

Thermodynamics and chemical kinetics. Cross listed as CHEM301.

Prerequisites: CHEM 108^D and CHEM 112^D and (PHYS 212^D or PHYS 213^D) and MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 310 - Classical Mechanics

This course provides a more advanced examination of classical mechanics compared to introductory physics courses, with a strong focus on Lagrangian and Hamiltonian formalisms. Topics covered include a review of Newtonian mechanics, the principles of conservation of energy and momentum, calculus of variations, Lagrange's equations, two-body central force problems, mechanics in non-inertial frames, and Hamiltonian mechanics.

Prerequisites: PHYS 217^D and MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 312 - Modern Physics

An introductory course that focuses on the transition from classical physics covered in the calculus based introductory physics sequence to contemporary physics. Topics include: Overview of special relativity, experimental and theoretical developments that led to the discovery of the atomic structure, early quantum mechanics, introduction to Schrödinger's equation, and a brief introduction to solid state physics.

Prerequisites: PHYS 217^D and MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 314 - Statics

Includes the application of equilibrium conditions to structures, trusses, frames and machines, and beams with concentrated and distributed loads. Cross-listed with ENGR 210. This course may be counted as a physics course or as an engineering course, but not both.

Prerequisites: PHYS 216^D and MATH 230 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 315 - Dynamics

Integrates the subject content of kinematics and kinetics that deal respectively with the description of motion of bodies and the causes for their motion.

Prerequisites: PHYS 314^D and ENGR 210^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 317 - Space Science

Introductory course in space exploration. It emphasizes the evolution of the earth with respect to its neighbors in the solar system. Other topics covered are the earth's ionosphere, magnetosphere, hazards of satellite communication, and orbital dynamics.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 325 - Analog & Digital Electronics

An introductory analog and digital electronics course designed primarily for science students. The course will start with an analysis of AC and DC circuits using Kirchhoff's laws and complex numbers. The analog part will include a study of discrete components including diodes, transistors, and SCRs as well as linear integrated circuits. The digital part will include basic gates as well as MSI and LSI circuits and will be center around interfacing computers to experiments.

Prerequisite: PHYS 212^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 331 - Mathematical Methods of Physics and Engineering

The course covers a broad spectrum of mathematical methods relevant to physics and engineering. The emphasis is on the use of methods rather than on proofs and derivations. Topics include vector analysis, complex variables, Fourier and Laplace transforms, linear algebra, and some boundary value problems. Dual-listed with MATH 331. This course may be counted as a physics course or as a mathematics course, but not both.

Prerequisites: PHYS 217^D and MATH 230^D and MATH 231^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 371 - Physical Optics

This is a physical optics course dealing with the nature and transmission of light. Topics covered will include the propagation of light, coherence, interference, diffraction, Maxwell's Equations, optics of solids, thermal radiation, optical spectra and lasers.

Prerequisites: PHYS 212^D and PHYS 213^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 375 - Thermal and Statistical Physics

This course focuses on the fundamental concepts of thermodynamics, the kinetic theory of gases, and the statistical approach to understanding physical systems. Emphasis is placed on developing problem-solving skills, with application to both physics and engineering.

Prerequisites: PHYS 217^D and MATH 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 381 - Advanced Physics Laboratory

An introduction to the techniques of experimental physics. Experiments are selected from a wide range of fields in physics that are of a more advanced level than those given at the general or intermediate level. Emphasis includes scientific instrumentation and data collection, scientific computing, lab procedures and safety, data analysis and interpretation, and technical communication.

Prerequisite: PHYS 217^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHYS 382 - Optics Laboratory

This course will provide in depth experience in laboratory techniques, data acquisition and analysis in the field of Optical Physics. Experiments are of a more advanced grade than those given at the general or intermediate level. Each experiment will be an extended piece of careful, thorough work, culminating in a detailed report. Appropriate for students majoring in the Biological, Earth, Environmental, Health, Mathematics and Physical sciences.

Prerequisites: PHYS 211^D and PHYS 212^D and (PHYS 213^D or PHYS 201^D) and PHYS 202^D and (MATH 225^D or MATH 230^D or MATH 231^D)
^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PHYS 385 - Computational Physics

This course introduces computational methods in physics, focusing on numerical techniques, data analysis, and machine learning. Students will learn to implement algorithms for numerical integration, differential equations, Fourier analysis, and Monte Carlo simulations while exploring applications in classical mechanics, quantum systems, and statistical physics as well as predictive modeling. The integration of data science techniques, such as data visualization and analysis, with machine learning models enables students to tackle predictive and analytical tasks in physics. Practical applications and in-class projects prepare students for research and industry, bridging physics and modern computational tools.

Prerequisites: PHYS 217^D and MATH 301^D and CPSC 146^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 410 - Electricity and Magnetism

Electric fields and potentials of charge distributions and polarized materials, magnetic fields and vector potentials of current distributions and magnetized materials; electric and magnetic energies and application of Maxwell's equations.

Prerequisites: PHYS 217^D and PHYS 331^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 412 - Modern Physics 2

This course explores the applications of Quantum mechanics and relativity. Topics covered will include atomic physics, quantum statistics, solid state physics, nuclear physics, astrophysics and cosmology.

Prerequisites: PHYS 312^D and MATH 231^D and PHYS 331 (may be taken concurrently)^D
^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 421 - Materials Safety and Equipment Overview for Nanofabrication - NMT 311

This course provides an overview of basic nanofabrication processing equipment and materials handling procedures with a focus on safety, environment, and health issues. Topics covered include: cleanroom operation, environmental, safety, and health issues, vacuum pump systems operation, environmental safety and health issues (covering direct drive mechanical, roots blowers, turbomolecular, and dry mechanical systems); thermal- processing equipment operation, safety, environmental, and health issues (covering horizontal, vertical, rapid thermal annealing tools); chemical vapor deposition system operation, safety, environmental, and health issues (covering gas delivery, corrosive and flammable gas storage and plumbing, regulators, and mass flow controllers); and vacuum deposition/etching system operation, safety, environment, and health issues (covering microwave and RF power supplies and tuners, heating and cooling units, vacuum gauges, valves, and process controllers). Specific materials handling issues include those arising from using deionization water, solvents, cleansers, organic materials, ion implementation sources, diffusion sources, photoresists, developers, metal dielectrics and toxic, flammable, corrosive and high purity gases as well as packaging materials.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 422 - Basic Nanofabrication Processes - NMT 312

The course provides an overview of basic processing steps used in all applications of nanofabrication. Both top-down and bottom-up nanofabrication are included. The majority of the course details a step-by-step description of the equipment and processes needed to fabricate devices and structures such as bio-chips, CMOS transistors, power devices, microelectromechanical (MEM) devices, and opto-electronic structures. Students learn the similarities and differences in both the equipment and process flows needed in fabricating all of these various structures.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 423 - Thin Films in Nanofabrication - NMT 313

This course covers thin film deposition and etching practices in nanofabrication. The deposition techniques addressed in the first part of the course include atmospheric, low pressure, and plasma enhanced chemical vapor deposition and sputtering, thermal evaporation, and beam evaporation physical vapor deposition. Also included are self-assembling molecule based techniques. Materials considered include organics, dielectrics (e.g., nitrides, oxides), polysilicon (doped and undoped), metals (e.g., aluminum, tungsten, copper), adhesion promoters and diffusion barriers. The second part of the course focuses on etching processes and emphasizes reactive ion etching (single wafer, batch), high-ion-density reactors, ion beam etching and wet chemical etching. Students receive hands-on experience in depositing and etching dielectric, semiconductor, and metal materials using state-of-the-art tools and experience practicing the steps critical to micro- and nanofabrication of structures used in a variety of fields from biotechnology and the biomedical fields to microelectronics.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 424 - Advanced Lithography and Dielectrics Nanofabrication - NMT 314

This course covers all aspects of lithography from design and mask fabrication to pattern transfer and inspection. The course is divided into three major sections. The first section describes the lithographic process from substrate preparation to exposure. The second section examines the processes from development through inspection (both before and after pattern transfer). This section introduces optical masks, aligners, steppers and scanners. In addition, critical dimension (CD) and profile control of photoresists are investigated. The last section discusses advances in optical lithographic techniques such as phase shifting masks and illumination schemes as well as molecular ruler, e-beam, x-ray, EUV, and ion beam lithography.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 425 - Materials Modification in Nanofabrication - NMT 315

This course covers in detail the processing steps used in modifying material properties in nanofabrication. Included are chemical reaction, growth and annealing processes. The impact of thermal processing and thermal processing on defects, gettering, and impurities and overall electrical, mechanical, optical, and chemical properties are studied. The student grows and measures gate and field oxides, implants and activates source and drain regions, and evaluates thermal budget requirements using state-of-the-art tools. Included also are other modification technologies such as ion implantation, diffusion and chemical surface preparation and treatment. Substrate preparation processing such as slicing, etching, polishing and epitaxial growth are also covered.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 426 - Characterization, Packaging and Testing of Nanofabrication Structures - NMT 316

This course examines a variety of measurements and techniques essential for controlling micro- and nanofabrication processes. Monitoring techniques such as residual gas analysis (RGA), optical emission spectroscopy (OES) and end point detection are discussed. Characterization techniques such as scanning electron microscopy x-ray photoelectron spectroscopy, atomic probe methods advanced optical microscopy, optical thin film measurements, ellipsometry, and resistivity/conductivity measurements are introduced and tied to process control. Basic measurements for yield analysis and process control are also stressed. These include breakdown measurements, junction testing, and capacitance-voltage and current voltage characterization. In addition, the characteristics of some simple bio-chip structures and MEMs devices are obtained and discussed. The student learns about the manufacturing issues involved in interconnects, materials compatibility and final device assembly. Aluminum, refractory metals and plastic fabrication techniques and characterization are discussed in detail along with topics such as diffusion barriers, contact resistance, electro migration, corrosion, and adhesion. The importance of planarization techniques such as deposition/etchback and chemical/mechanical polishing are emphasized. Lastly, procedures such as die separation, bonding, and sealing and final test for both conventional Cs and MEMs and biomedical devices are examined.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 450 - Internship

Supervised placement and research in selected public and private agencies.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

PHYS 480 - Quantum Mechanics

This course covers the foundations of quantum mechanics, including the basic postulates, Schrödinger equation, Dirac notation, operator formalism, spherically symmetric systems, angular momentum, spin, and identical particle statistics.

Prerequisites: (PHYS 331^D or MATH 331^D) and PHYS 312^D and MATH 301 (may be taken concurrently)^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 485 - Condensed Matter Physics

This is an introductory course on the properties and behavior of condensed materials, mainly solids. Topics covered include, crystal structures, electronic and thermal properties, lattice dynamics, and energy band models. Time permitting, topics such as magnetic materials and superconductivity will also be introduced.

Prerequisite: PHYS 312^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 490 - Independent Study

Investigation of the theoretical or experimental area following a plan or proposal initiated by the student and approved by the major advisor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PHYS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Political Science (POLI)

POLI 101 - American National Government

A survey of American national politics, emphasis on the constitution, parties, interest groups, elections, organization and structure of government.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

POLI 103 - International Relations

An overview of the politics of various governments; the nature of relations among nations; a study of problems such as terrorism and multinationals as political participants.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

POLI 110 - Foundations of Political Science

This course introduces students to contemporary political problems and how political scientists think about those problems. Students will learn the language of political science including the big themes, concepts, and models that span centuries of political science literature and provide insight into global and domestic political conflict. Students will use the lens of political science to explore concepts such as liberty, equality, justice, rights, individual autonomy, democracy and representation, identity and tolerance, the appropriate role and limits of government, and sovereignty of states in the international system. Although non-democratic forms of governance will be examined, this course will focus on democratic governance - why we chose it, what political practices and reforms can improve it, and how citizens through engagement and dialogue can help to strengthen it. This course will emphasize the relevance of the core concepts of political science in relation to important contested political issues in the US and the global community today.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

POLI 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

POLI 170 - Investigating Politics

This course guides students through the methods of social science inquiry by exploring major problems facing modern societies on the local, national, and/or global levels. Students will use the scientific process to learn how we know and what we know about the social world. Students will learn basic research concepts, explore the use of theories and models to guide research, and develop and use social science to become knowledgeable citizens and critical consumers of political news and information. Students will also learn how social science differs from natural science in its attention to normative and ethical questions and the role of power dynamics in shaping social, economic and political outcomes.

Credits: 3

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

POLI 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

POLI 195 - Workshop

Special topics of interest to undergraduates and selected members of the community. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

POLI 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

POLI 200 - State and Local Government

Examines state levels of government. Emphasis is on constitutions, parties and interest groups, elections, organization and structure of government.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

POLI 215 - Introduction to Political Theory

An introduction to classical and modern theories of politics, governments and ideologies.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

POLI 220 - Foreign Policy

The study of selected instruments of foreign policy, how it is formulated and implemented; the focus is on the U.S.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course, United States in Global Context

POLI 223 - Law and Courts

An introductory examination of the structure of the judicial branch of government; what we mean when we talk about the "law"; how our understanding of what is law has developed and changed throughout our history; how our state and federal courts are administered and structured; the nature of legal education; the work of the Supreme Court, judges, and lawyers; how the criminal justice system chooses juries, tries defendants, negotiates justice through plea bargaining, and depends on its judiciary; and the role of the legal system in resolving private disputes.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

POLI 235 - Civil Discourse and Democracy

This course is an introduction to civil discourse, or the practice of constructive dialogues and deliberation, based in mutual respect, which ultimately seeks to advance the public interest. Students will use the lens of political science to explore contemporary political problems and how to approach, discuss, and analyze them.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

POLI 255 - Introduction to Public Policy

This course introduces students to the idea that private actions create problems for communities that citizens and community leaders must work together to solve. Students learn a universal framework for overcoming community problems as well as the skills needed to recognize the moral and democratic dilemmas inherent in these problems. Students hone their knowledge by gathering evidence, researching, and addressing real community issues.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

POLI 263 - Introduction to Comparative Politics

The stress is on descriptions and conceptions of the state and political institutions in the non-Western and Western worlds; with attention on policy-making, national issues, and systems.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

POLI 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

POLI 295 - Workshop

Special topics of interest to undergraduates and selected members of the community. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

POLI 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

POLI 301 - Organized Political Action

Political parties and interest groups provide crucial linkages between citizens and their government. This course will investigate the nature and origins of organized political groups in American politics, seeking to understand what it takes for political parties and interest groups, which are informal players of American politics, to survive, thrive, and develop a powerful voice in the national political dialogue. While the course focuses on American parties and interest groups, they will be explored in the global and comparative context.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 303 - Seminar in Democracy

In response to waning public trust in American public institutions and democracy, it is imperative to understand how political systems fail. In this course, students will define democracy, discuss what happens when democracies break down, identify the causes of the breakdown, and find solutions to these problems. Students will also identify those characteristics and behaviors democracy requires of citizens for the system to work well.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course, United States in Global Context

POLI 306 - Campaigns & Elections

Elections are the cornerstone of democracy. Without free, fair and frequent elections, there is no popular governance. The United States holds more elections for more public offices and governments than any other nation in the world. The purpose of this course is to examine the key issues, questions, and controversies surrounding campaigns and elections in the United States and compare to campaigns and elections held in other democracies around the world.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 310 - Social Science Research Methods

An examination of the foundations of systematic research, techniques of data collection and methods of data analysis.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

POLI 321 - The Presidency

The study and evaluation of executive leadership in modern governments; the roles, functions and types of presidential leaders.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 322 - Model United Nations

An experiential course for political science majors and minors, featuring a required multi-day trip to a collegiate Model UN competition. The trip is subsidized by the university but may involve additional costs.

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Political Science or Political Science.

POLI 325 - The Congress

The study of legislative structures, functions and organizations; focus on legislative elections, committees, and decision-making.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 327 - Public Opinion and Political Attitudes

An examination of the nature, origins, and structures of political attitudes.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 328 - Assessing Public Opinion

Many careers rely on individuals who have the capacity to create and implement public opinion surveys, and analyze the results of public opinion polls. Urban planning, public administration, and public policy professionals use surveys for program evaluation and democratic accountability, while lobbyists, nonprofit, campaign, and corporate government relations professionals use surveys for assessing public problems and the political environment. Students will gain experience building and fielding surveys that accurately assess public opinion, often while helping community stakeholders with real-world needs.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 329 - Political Learning

The course examines the process by which the transmission of political values, attitudes, perceptions and behaviors are undertaken in different political systems.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 333 - The Political Film

The Political Film will be presented as an expression of social concerns in our society. Individual films will be evaluated as vehicles, which can influence people by disseminating ideas, convey points of view and comment on matters of political controversy.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Transfer Thread Completion Course, United Stated in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 349 - Utopian Experiments: Issues of Gender and Power

This course will examine the various alternative plans for the intentional restructuring of society as exhibited in the works of utopian theorists.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 350 - Transnational Terrorism

An examination of politics and practice of transnational terrorism, as well as alternative policy responses to transnational terrorism. topics will include an overview of the history and theory of terrorism as a political tactic, the issues motivating its use by contemporary terrorist organizations, the structure and tactics of terrorist networks, and the connections between states, terrorist networks, and transnational organized crime.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course, United Stated in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 351 - Politics of Race

This course is an exploration of the politics and policy issues that disproportionately affect racial and ethnic minorities in the United States. A key objective of this course is to help students understand how the past racial history of the US shapes political and policy outcomes in the US today across a range of issues including income and wealth, employment, education, health, housing, and criminal justice. Students in this course will think and write critically about how the US got to this point and how we can get out of this pattern of persistent racial disparities. Students will be challenged throughout the course to apply concepts of racial justice.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 354 - Seminar in Religion and Politics

This course is intended to help students understand the variety of religious voices in American politics and to acquaint students with the significance and variability of religious influence on contemporary American political life, i.e. public policy and individual political choices. The term "religion" is defined broadly to include formal theological creeds as well as the social beliefs, organizations, and subcultures associated with various religious communities. The central goal of this course is to understand how religion affects politics (and vice versa). Specifically, the course will explore the effects of the diverse religious traditions in America on American political history, voting, lobbying, political mobilization, political culture, and international engagement. A sampling of questions to be addressed follows: What has been the relative impact of various religions on American politics? How do religious actors translate their values into action? In what ways is the impact of religion direct? Indirect? How does the nature of the environment (domestic and international) affect the ability of religious actors to wield influence?

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 356 - Gay and Lesbian Politics

This course will seek to understand how and why the battle over gay rights has come to occupy such a prominent place in our society and what this battle tells us about politics more generally. Although the course is centered on the politics of gay rights in the American context, we will also compare the American experience to those of other nations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 357 - Civil Liberties and Civil Rights

A survey of current controversies regarding the rights and freedoms guaranteed to American citizens by the U.S. Constitution.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 359 - Policy Analysis and Evaluation

An examination of the ethical, theoretical and practical issues associated with the application of analytic and evaluative techniques to selected public policy problems and programs.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 364 - Using Evidence to Solve Public Problems

Public decision makers increasingly call for evidence-based solutions to public problems. In this course, students will learn to assess and use data and evidence to help solve community problems. These skills provide the foundation of government relations, public service, nonprofit, and other careers relying on data-driven decision-making.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Citizenship & Social Problems, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 365 - International Political Economy

The in-depth analysis of the political relationships among nation-states.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 367 - Foreign Policy and International Security

This course explores the major security threats facing the United States and the global community, and the foreign policy tools available to manage them. Students will study the coercive and diplomatic strategies used by states and non-state actors when it comes to security threats, as well as the efficacy of these strategies. Topics include the proliferation and use of nuclear weapons, cyber warfare, biotechnology and disease, displacement from artificial intelligence, climate change, and cryptocurrencies.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 369 - Politics of Developing Areas

A developmental approach to the comparative study of the primary functions, structures and capabilities of various industrializing political systems such as India, China, Mexico, Brazil, Tanzania.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 370 - Latin American Politics and Development

This is an interdisciplinary course designed to give students a broad understanding of the historical, contemporary social (including gender, race, ethnicity, religion, etc.), economic, and in particular, political forces that shape Latin America. A number of different perspectives will be utilized to understand and explain the current state of Latin American political and economic development.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 372 - Campaign Management & Strategy

This course will provide a very practical, hands-on blueprint for students who wish to run effectively and successfully for public office, or for students who hope to be effective and successful campaign managers or staffers. This course will consider campaigning from the perspective of both the candidate and the campaign manager, with a focus on developing and implementing a comprehensive campaign strategy.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 375 - Women and Politics

The course will examine the effect of socialization and the impact of culture on women, gender differences in patterns of political participation; legal, political and social rights of women; and the effects of the political system upon the lives of women and their families.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 385 - War and Political Violence

This course surveys the multidisciplinary factors that give rise to acts of political violence, including inter-state war, civil war, genocide, and terrorism. Students will study theoretical perspectives, real-world examples, and a broad range of methodologies used to understand, evaluate, and respond to contemporary conflicts. There are no prerequisites.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 386 - Critical Issues in Public Policy

Students examine in depth a critical public policy issue that has deep relevance to current domestic or global political discourses. They consider how governments have responded to the issue in the past (if at all) and explore the efficacy of potential policy solutions to address the problem. Each section of this course will have a different topic depending on which policy issues are critical at a particular moment in time. Refer to section descriptions when registering.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 395 - Workshop

Special topics of interest to undergraduates and selected members of the community. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 403 - Constitutional Law

The case study and analysis of the development and growth of constitutions through judicial interpretation.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 444 - Social Science Capstone

This course is a project-based capstone course for majors in the Social Sciences Department. Students will use scientific research tools to design and execute an empirical research project and present their findings in a public forum.

Prerequisites: (POLS 310^D or POLI 310^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

POLI 450 - Internship

Varies

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 451 - Harrisburg Internship

Assignment as an intern with a governmental agency in the state capital in Harrisburg, Pa. Open to all students at Slippery Rock University.

Credits: 1-9

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 452 - Harrisburg Internship Project

A research project developed by the intern and approved by the Harrisburg internship coordinator on some aspect of government activities or public policy.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 454 - Harrisburg Internship Seminar

Weekly seminar composed of all interns in the program and taught by the Harrisburg internship coordinator. Speakers from state government will address the seminar and the seminar will participate in several exercises designed to increase skills in governmental processes.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 490 - Independent Study

In-depth reading and research in an area of particular interest to the student, with the guidance of a faculty member. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 495 - Workshop

Special topics of interest to undergraduates and selected members of the community. A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

POLI 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Psychology (PSYC)

PSYC 105 - Introduction to Psychology

This course serves as an introduction to the science of psychology. Psychological theory, concepts, and research spanning the breadth of the discipline are explored. Content will provide an introduction to research methods and ethics and include selected topics from each of the five domains of psychological inquiry: Biological, Cognitive, Developmental, Social and Personality, and Mental and Physical Health. Students will explore questions involving four themes that arise across the domains: Cultural and Social Diversity, Ethics, Variations in Human Functioning, and Applications. A grade of C or higher is required to remain in the major. Students may only repeat this course one time.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

PSYC 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

PSYC 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PSYC 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PSYC 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PSYC 205 - Environmental Psychology

Man's interference with the environment, including over-population, isolation, social institutions as environments, noise, housing, community design, behavioral effects of pollutants and behavior genetics.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

PSYC 208 - Personality

Review of the major historical and contemporary theoretical approaches to the study of personality, including their antecedents, underlying assumptions, research/evidential basis, influence on the field and relevance to the theory and practice of psychology.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course

PSYC 221 - Introduction to Behavioral Statistics

Introduction to descriptive and inferential statistics used in evaluation and reporting of behavioral research.

Prerequisites: PSYC 105^C and (MATH 152^C or STAT 152^C)

^C Requires minimum grade of C.

Credits: 3

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental, Psychology-Neuroscience or Psychology-Pre PA-SRU 3+2.

PSYC 231 - Psychological Science I: Research Methods

This project-based course introduces students to research methods and designs used in psychology. The course prepares students to evaluate published reports of psychological research and to design and conduct research studies in Psychology. Each student will apply concepts learned in a class to design and write a formal research proposal of an original experiment, which will be written in APA style.

Prerequisites: PSYC 105^C and (MATH 152^C or STAT 152^C) and ENGL 102^C and (INDS 110^C or LIBR 110^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental or Psychology-Neuroscience.

PSYC 232 - Psychological Science II: Statistical Applications

This is a project-based course in which students apply knowledge of descriptive and inferential statistics to answer research questions in psychology. Topics include selection of appropriate descriptive and inferential statistics to use with descriptive, correlational, predictive, and experimental designs; planning statistical analysis; using statistical software to organize data and conduct analyses; interpreting results, and writing formal reports of research in APA style. Students will apply knowledge and skills learned in the course to write an APA style lab report of a quantitative study.

Prerequisites: PSYC 105^C and ENGL 102^C and (MATH 152^C or STAT 152^C) and (INDS 110^C or LIBR 110^C) and PSYC 231^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental or Psychology-Neuroscience.

PSYC 233 - Sensation & Perception

This combined lecture and lab covers the basic anatomy, physiology and role of the sensory systems in perception and sensation.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

PSYC 240 - Human Sexual Behavior

Examines personal sociocultural factors in sexual functioning. Motivational, developmental, personality and clinical implications are explored.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Institutions & Human Innovations, Transfer Thread Completion Course

PSYC 244 - Developmental Psychology

Human development from conception to senescence with emphasis on the theoretical and practical implications.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

PSYC 276 - Introduction to Abnormal Psychology

Introduction to the field of abnormal behavior, including DSM classification and examination of major categories of mental disorders.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

PSYC 289 - Positive Psychology

In this course, students will explore human flourishing - defined as a life of deep meaning, fulfillment and service to others. Students will be taught about human flourishing through the lens of science and their own experience. Through exposure to diverse scientific theories and research on the skills associated with flourishing and to a variety of reflective and applied practice, and laboratory experiences, students will develop conceptual knowledge, experiential insight, and practical skills related to living a "good life".

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

PSYC 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PSYC 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

PSYC 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

PSYC 300 - Psychology of Women, Gender and Culture

Overview of psychological perspectives and current research concerning the field of the psychology of women and gender. Topics related to the role of culture in the social construction of gender will be emphasized. Topics include similarities and differences between women and men, gender development, emotions, relationships, sexuality, education and work, health and fitness, psychological distress, and social roles. CAPP Prerequisites: A grade of C or higher in PSYC 105 or any gender studies course or permission from the instructor.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 302 - Psychology of Criminal Behavior

The study of how individual criminal behavior is acquired, evoked, maintained and modified.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 303 - Learning

This lecture/lab course will facilitate a deeper understanding of the basic mechanisms of learning, which are expressed as changes in behavior that are altered by experience.

Prerequisite: PSYC 231^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 304 - Theories of Counseling

This course will examine the major approaches to psychotherapy through critical review of the theoretical assumptions, historical influences, process and outcome research, techniques of intervention and relevant context for the major theoretical paradigms. Professional and ethical issues, contemporary topics and issues of fundamental conceptualization skill development will be addressed. This course does not prepare students to function as counselors; rather it is designed to provide meaningful preparation for pursuit of post-Baccalaureate training.

Prerequisites: PSYC 208^D and PSYC 276^D and PSYC 105^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 306 - Introduction to Psychological Testing

Includes the historical, theoretical and statistical foundations of testing; exposure to ability (aptitude, achievement and intelligence) and personality tests; and the settings in which psychologists administer these tests.

Prerequisites: PSYC 105^C and (PSYC 221^C or PSYC 232^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 310 - Introduction to Industrial-Organizational Psychology

The application of psychological theory, techniques, and research to business, industry, and other organizational behavior. Subjects include employee recruitment and selection, retention and promotion; job satisfaction; job evaluation/performance measures; training; motivation; stress; and human factors.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 311 - Introduction to Behavioral Neuroscience

This lecture/lab course will help you to develop knowledge of the biological basis of human behavior and learn to design and conduct research to study brain structure, function, and behavior. Topics may include neuroanatomy, neural communication, development of the nervous system, genetics, sensory and motor systems, emotion, learning and memory, language, sexual behavior, consciousness and neurological and psychological disorders.

Prerequisite: PSYC 232^C

^C Requires minimum grade of C.

Credits: 4

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

PSYC 315 - Psychology of Sexual and Gender Diversity

Overview of psychological perspectives and current research concerning the field of lesbian, gay, bisexual, transgender and queer psychology.

The course takes a life-span developmental perspective and examines the diversity of gender and sexual identities. Topics include theories of sexual orientation and gender identity, oppression and discrimination, history of the Queer community and the coming out process. CAPP
Prerequisites: A grade of C or higher in PSYC 105 or any gender studies course or permission from the instructor.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 318 - Psychopathology of Childhood and Adolescence

An overview of clinical practice with children, adolescents and their families with advanced study of the emergence, diagnosis and treatment of psychological disorders in children and adolescents. Coursework includes theories of normal and abnormal child development, etiology of disorders, current DSM diagnosis, and an overview of assessment and intervention methods relevant to children and adolescents.

Prerequisites: PSYC 105^C and PSYC 276^D and PSYC 244^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 320 - Introduction to Clinical Psychology

Introduction to the field of clinical psychology. Includes an overview of training, similarities, and differences among various mental health service providers. Students will be introduced to interviewing skills, approaches to psychotherapy, assessment, treatment planning, and areas of specialization and application within the field. Emphasis is placed on consideration of issues that tend to arise when working with individuals from diverse backgrounds, including differences in racial and ethnic background, sex and gender, age, sexual orientation, religious background, and those with mental and physical disabilities.

Prerequisites: PSYC 105^C and (PSYC 221^C or PSYC 232^C) and (PSYC 325^C and PSYC 326^C or PSYC 231^C) and PSYC 276^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 321 - Drugs and Behavior

Psychoactive drugs and their action on the human nervous system; legal and sociocultural aspects of drug abuse.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental, Psychology-Neuroscience or Psychology-Pre PA-SRU 3+2.

PSYC 325 - Introduction to Experimental Psychology

This course will teach students how to design, conduct, and report psychological research. Topics include the nature of science, formulation of hypotheses, research methods and design, and ethical issues in using human and nonhuman subjects. Emphasis will be given to experimental design techniques, evaluation of published research in psychology, and the writing of research reports. The course will also focus on the teaching of library research skills and producing formal research reports in APA manuscript style

Prerequisites: INDS 110^D and ENGL 102^C and PSYC 105^C and PSYC 221^C
^D Requires minimum grade of D.
^C Requires minimum grade of C.

Corequisite(s): PSYC 326

Credits: 3

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental, Psychology-Neuroscience or Psychology-Pre PA-SRU 3+2.

PSYC 326 - Experimental Psychology Laboratory

A laboratory experience to accompany PSYC 325 in which students will conduct a series of literature searches, design and execute laboratory experiments, perform and interpret statistical analyses of data collected, and report experimental findings in APA style.

Prerequisites: PSYC 105^C and PSYC 221^C and (INDS 110^D or LIBR 110^D) and ENGL 102^C

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Corequisite(s): PSYC 325

Credits: 1

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental, Psychology-Neuroscience or Psychology-Pre PA-SRU 3+2.

PSYC 334 - Health Psychology

An overview of the field and of the role of psychology in health. Topics include health-enhancing and health-compromising behaviors; the effects of stress, coping, and personality on health; psychoneuroimmunology; treatments of specific problems and disorders; and interacting with health care services.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Human Diversity & Well-Being, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 338 - Cognitive Psychology

A survey of theories and facts related to complex information processing and conscious experience in humans. Topics covered will include attention, memory, problem solving, symbolic processes and human consciousness.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 350 - Contemporary Topics in Psychological Science

Contemporary topics in Psychology are critically examined. Specific topics will vary within the major subfields of Psychology: Clinical/ Counseling; Cognitive; Developmental; Environmental; Experimental/ Quantitative; Forensic; Gender/Sexual Identity; Health; Industrial-Organizational; Multicultural; Neuroscience; Positive; Rehabilitation; Social; Sport/Performance.

Prerequisite: PSYC 105^C
^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

PSYC 355 - Topical Seminar in Neuroscience

Topical Seminar in Neuroscience will focus on reading, evaluating, and presenting primary literature. This course will provide students with an opportunity to read and discuss primary literature related to Neuroscience. Through reading and discussing primary literature students in this course will explore a breadth of career paths and neuroscience techniques while developing methodological and content knowledge in the foundations of neuroscience, and will gain skills in the ability to critically evaluate primary literature. Students may repeat the course once for credit.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 1

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 360 - History of Psychology

A review of the philosophical and natural science antecedents to the science of psychology and the development of psychological paradigms from our origins to the present, including attention to the interactive influence of world events/psychology. The historical perspective allows students to understand the relationships between different fields in psychology.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PSYC 364 - Child and Adolescent Development

Intensive study of the biosocial, cognitive, and psychosocial aspects of development of children and adolescents.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 365 - Psychology of Aging

Psychosocial, clinical and developmental aspects of aging, implications of optimal developmental and effective management of problems confronting the aged.

Prerequisites: PSYC 105^C and (PSYC 325^C and PSYC 326^C) or (PSYC 232^C and PSYC 231^C) and (PSYC 344^C or PSYC 244^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 375 - Psychopathology of Adulthood

Advanced study of adult mental disorders, including symptoms, phenomenological aspects, diagnosis, and treatment. Students will examine the etiology, symptom constellations, and treatment of psychological disorders in depth and begin to understand what people with the disorders experience through various stages of adulthood. Psychological theory and research findings will guide the student in gaining an understanding of mental illness.

Prerequisites: PSYC 105^C and PSYC 244^D and PSYC 276^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental or Psychology-Neuroscience.

PSYC 377 - Social Psychology

The psychological implications of our social existence; a study of the social forces affecting human behavior.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 392 - Cross Cultural Psychology

This course will introduce and familiarize students with the concept of cross-cultural psychology by examining the extent to which the theories, principles, and knowledge of the discipline of psychology are universally applicable to humans. The goal of exploring the psychological implications of cultural differences and of contact among members of different cultures is to consider the role which psychological research and theory can play in advancing intercultural understanding.

Prerequisites: PSYC 105^C and PSYC 377^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 415 - Multicultural Identity Development

This course examines biological, psychological and social influences on identity formation through the lifespan with a focus on intersectionality of identities such as race, gender, sexual orientation, class and disability.

Prerequisites: PSYC 105^C and (PSYC 344^C or PSYC 244^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 420 - Community Service Internship in Psychology

Students complete 160 hours of supervised placement in selected public or private agencies at appropriate institutions. Regular meetings with the internship supervisor along with relevant didactic requirements assist the student with integrating the experience.

Prerequisites: PSYC 105^C and PSYC 231^C and PSYC 232^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

PSYC 421 - Advanced Behavioral Statistics

Intermediate forms of statistical analysis of behavioral research, their rationale, and computer applications are introduced.

Prerequisites: PSYC 105^C and PSYC 221^C and PSYC 325^C and PSYC 326^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 428 - Social and Emotional Development Across the Lifespan

This course uses a lifespan theoretical perspective to examine social and emotional influences on social relationships (e.g., parent-child, sibling, grandparent-grandchild, romantic) with an emphasis on the socio-historical context and the influence of intersecting identity factors (e.g., age and race).

Prerequisites: PSYC 105^C and (PSYC 244^C or PSYC 344^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology, Psychology-Developmental or Psychology-Neuroscience.

PSYC 430 - Research Practicum in Psychology

Supervised research experience with Psychology department faculty member. Students identify a mentor and work together with their mentor to develop and implement a research plan, and write an APA style paper reporting the results. Notes: Course grading: Pass/No Credit. Prerequisites: Declared major; Jr/Sr standing; minimum overall and Psychology GPA of 3.0; a grade of C or higher in PSYC 105, PSYC 231 and PSYC 232; at least 12 additional credits in Psychology; written application and departmental permission.

Prerequisites: PSYC 105^C and PSYC 232^C and PSYC 231^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

PSYC 435 - Resilience Across the Lifespan

This course uses a scientific and theoretical approach to understanding, developing, and utilizing resilience within the context of life challenges. Content will include behaviors that enable individuals and communities to thrive and live fulfilling lives in the face of adversity, loss, overwhelming grief, and death. Eastern philosophies and other diverse populations will be included in the course. Students will gain an understanding of factors that promote well-being that include love, social support and connection, faith and spirituality, gratitude, forgiveness, hope, and optimism.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms, Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 445 - Infant and Child Cognition

This course examines theories and research in cognitive development with an emphasis on infancy and early childhood. Piagetian, Vygotskian, Information-processing, and Dynamic Systems Approaches are explored while examining the development of processes including attention, perception, memory, language, and reasoning. In addition to learning about theories and research findings in the field, students will (1) become familiar with the research methods employed by psychologists to study cognitive development; (2) think critically about current cognitive developmental questions; and (3) apply cognitive developmental findings to real world contexts.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 449 - Seminar in Psychology

Advanced topics will be announced in the schedule.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 450 - Field Capstone Internship in Psychology

Students complete 280 hours of supervised placement in selected public or private agencies at appropriate institutions. Regular meetings with the internship supervisor along with relevant didactic requirements assist the student with integrating the experience. Requires application and permission to register. Students must have at least 15 additional credits in Psychology and a minimum GPA of 3.0 in Psychology and Overall in order to apply.

Prerequisites: PSYC 105^C and PSYC 231^C and PSYC 232^C

^C Requires minimum grade of C.

Corequisite(s): PSYC 485

Credits: 1-6

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

PSYC 451 - Research Capstone Internship

This course is designed to provide an immersion experience in undergraduate research in laboratory or clinical settings. Under supervision of a SRU psychology faculty member, the student will integrate concepts gleaned from prerequisite undergraduate courses and scientific knowledge. Psychology theory, research methods, and statistical applications will be applied to prepare students who are planning to pursue careers in research in psychology related fields or to further their education in graduate programs in all psychology related fields, neuroscience, and professional programs such as physician assistant, occupational therapy, and medical schools. Notes: Declared major; Jr/Sr standing; minimum Overall GPA of 2.0 and Psychology GPA of 3.0; a grade of C or higher in: PSYC 105 and (PSYC 231 or (PSYC 325 and PSYC 326)) and (PSYC 232 or PSYC 221); written application and departmental permission. (repeatable up to 12 credits)

Prerequisites: PSYC 105^C and (PSYC 231^C or (PSYC 325^C and PSYC 326^C)) and (PSYC 232^C or PSYC 221^C)

^C Requires minimum grade of C.

Credits: 3-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment is limited to students with a program in Psychology-Developmental or Psychology-Neuroscience.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

PSYC 471 - Psychopharmacology

This combined lecture and laboratory course will provide a basic introduction to psychopharmacology: the study of the effects of drugs on the brain and human behavior. Emphasis will be on drugs that effect the central nervous system and treat mental health disorders.

Prerequisite: PSYC 311^B

^B Requires minimum grade of B.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 473 - Hormones and Behavior

This combined lecture and laboratory course will provide an in-depth exploration of the study of hormones and behavior, introduce students to methodologies used to study hormones and behavior, and explore the evolutionary, behavioral and social influences that can change the expression of hormones and the resulting behavioral consequences.

Prerequisite: PSYC 311^B

^B Requires minimum grade of B.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 475 - Behavior Modification

Application of learning and other psychological principles in behavior therapy.

Prerequisite: PSYC 105^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 476 - Clinical Neuroscience

This course surveys the role of neural mechanisms on the development, diagnosis and treatment of psychological disorders. The biological basis of neurological and psychiatric disorders will be explored using integrative approach that includes genetics, neuroanatomy, chemistry and physiology, development, environment, behavior, culture and evolution.

Prerequisites: PSYC 276^C and (PSYC 325^C and PSYC 326^C) or (PSYC 231^C and PSYC 232^C) and PSYC 311^B and PSYC 312^B

^C Requires minimum grade of C.

^B Requires minimum grade of B.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

PSYC 477 - Developmental Neuroscience

This course explores the biology of behavioral development and the integration of organismic and environmental process that regulate the development of the brain and behavior. Topics will include phases of ontogeny including prenatal, perinatal, early childhood, adolescent, adult and aging brain development, sensitive and critical periods, the role of environment, genetics and child-parent interactions on brain development and implications of neuroscience research on assessment and intervention.

Prerequisites: PSYC 276^C and (PSYC 325^C and PSYC 326^C) or (PSYC 231^C and PSYC 232^C) and (PSYC 344^C or PSYC 244^C) and PSYC 311^B

^C Requires minimum grade of C.

^B Requires minimum grade of B.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

PSYC 480 - Behavior Management

Principles, methods and ethics of behavior management in community, industrial and/or congregate facilities.

Prerequisites: PSYC 105^C and PSYC 303^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 485 - Seminar in Professional Psychology

This course integrates knowledge and skills acquired through the psychology curriculum and during the Field Placement Internship in Psychology with didactic experiences that facilitate learning and synthesis of information. Students will refine professional skills and career goals, apply psychological knowledge to various consumer populations, and build applied skills in the field.

Prerequisites: PSYC 105^C and PSYC 231^C and PSYC 232^C

^C Requires minimum grade of C.

Corequisite(s): PSYC 450

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Psychology, Psychology or Psychology.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

PSYC 490 - Independent Study

Propose and complete a supervised project, either historical, theoretical or experimental. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

PSYC 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Recreational Therapy (RCTH)

RCTH 120 - Disability, Community Inclusion, and Diversity

This course is designed to introduce the student to inclusive leisure services. The course reviews attitudes regarding people with disabilities, barriers to inclusion, enabling terminology, and legislative initiatives, which promote inclusion. The ADA will be highlighted along with information on various disabling conditions. The goal of this course is to facilitate an increased awareness of people with disabilities and considerations for providing inclusive services.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

RCTH 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

RCTH 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

RCTH 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

RCTH 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

RCTH 220 - Recreational Therapy Services

Introduces students to the general field of recreational therapy and provides an introduction to various disabilities and how the RT process applies.

Prerequisites: PREE 120^D or RCTH 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

RCTH 232 - Recreational Therapy for People with Physical Disabilities

This course will provide information on various physical disabilities and the potential application of Recreational Therapy services with individuals with physical disabilities. The incidence, prevalence, etiology and treatment for each disability will be presented along with implications for RT practice.

Prerequisites: PREE 120^D or RCTH 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

RCTH 233 - Recreational Therapy for People with Psychosocial and Mental Disorders

This course will provide information on various mental health impairments and addictive and social disorders. The incidence, prevalence, etiology and treatment for each condition will be presented along with implications for Recreational Therapy practice.

Prerequisites: PREE 120^D or RCTH 120^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

RCTH 252 - Equine Assisted Activities and Therapies

An introduction to equine assisted activities including basic safety skills, lesson preparation, benefits for individuals with disabilities, tack/equine selection, and certification procedures. Students will gain practical experience through riding horses and assisting individuals with disabilities during lessons.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

RCTH 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

RCTH 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

RCTH 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

RCTH 305 - Animal-Assisted Therapy for Diverse Populations & Settings

This course is designed to provide students with an overview of the various populations that can potentially benefit from Animal-Assisted Interventions (AAI) and Animal-Assisted Therapy (AAT). The focus will be on how these potential benefits of AAT can be incorporated into various settings of service. Students will learn the different approaches to using animals as a partner in facilitating therapeutic outcomes. Students will be exposed to research evidence that supports AAT with populations generally served by health and human services areas. The design of program/treatment plans to facilitate outcomes will be incorporated into the course as well as practical application of AAT.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Animal-Assisted Interventions.

RCTH 314 - Clinical Aspects of Recreational Therapy

This course provides a more in-depth look at Recreational Therapy including professional standards of practice, health care accreditation, documentation methods and application of activity analysis in treatment planning. Lab experiences are incorporated into the course.

Prerequisites: PREE 220^D or RCTH 220^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 316 - Applied Research and Evidenced-Based Practice

Applied Research and Evidenced-Based Practice will focus on reading research from various methodologies (randomized control trial, experimental, quasi-experimental, single case design, qualitative) to help students become educated consumers of research. Students will gain an understanding of the factors (grading categories) that determine quality research for health care professionals and learn the process for using research results to design evidenced-based interventions. The course will emphasize health professions' research focused on health outcomes. Students will become educated consumers of research for preparation of evidenced-based intervention. Students will also gain skills in understanding and applying APA guidelines to writing research papers.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 317 - Organization and Management of Recreational Therapy Practice

This course is designed to provide recreational therapy (RT) majors with the knowledge and skills required to effectively supervise and manage resources within various health and human service settings. Emphasis is placed on accreditation standards, legislative and regulatory requirements, public relations and marketing, strategic planning and decision making, quality improvement and risk management practices, fiscal planning and budgeting and human resource management.

Prerequisites: PREE 220^C or RCTH 220^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Therapeutic Recreation Serv, Recreational Therapy or Therapeutic Recreation.

RCTH 319 - Client Assessment in Recreational Therapy

This course designed to facilitate the development of student knowledge and skills related to the RT assessment process. The course will expose students to information and activities to enhance understanding of the importance of assessment, the various domains of assessment and the various techniques used in the assessment process. Skills will be developed in the areas of selecting and designing assessments, interviewing clients, observing behaviors and documenting assessment results.

Prerequisites: (PREE 220^D or RCTH 220^D) and (PREE 229^D or PREE 314^D or RCTH 314^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 320 - Recreational Therapy Program Design

This course focuses on techniques of recreational therapy program planning including assessment, treatment planning, implementation and evaluation. Students will implement interventions using various leadership strategies to meet the needs of persons with disabilities and disorders and the document results. A lab experience is included in this course.

Prerequisites: (PREE 220^D or RCTH 220^D) and (PREE 229^D or PREE 314^D or RCTH 314^D) and (PREE 319^D or RCTH 319^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 351 - Recreational Therapy Practicum

This is a 120-hour field work placement which gives students the opportunity to work hands-on with clients and/or participants receiving healthcare services or community-based treatment.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 364 - Biomechanics of Individuals with Disabilities

A study of human movement patterns with emphasis on the development of efficient movement for special populations. Efficient movement patterns will be based on anatomical, mechanical, and physiological principles.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 415 - Challenges and Trends in Recreational Therapy

An integrative course for detailed study of current issues in health care and human services with emphasis on unique and imaginative solutions to the challenges facing the recreational therapy profession. Must be a senior to enroll.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

RCTH 420 - Recreational Therapy for Older Adults

An overview of the aging process as it relates to recreational therapy service provision and leisure participation. Focus is on the developmental issues, including psychosocial, biological and economic issues in later life. The course reviews the various settings of service and care continuums available to serve the older adult populations. Legislative and regulatory influences regarding the provision of services to older adults will be discussed.

Prerequisites: (PREE 220^D or RCTH 220^D) and (PREE 120^D or RCTH 120^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 422 - Leisure Education and Counseling

An investigation of the historical, philosophical, psychological and educational foundations of leisure education and stress management at RT treatment modalities. The functions of leisure education, including a variety of instruments and techniques appropriate for a variety of publics, are examined. The functions of stress management treatments, as well as a variety of techniques appropriate for a variety of publics, is also examined.

Prerequisites: (PREE 220^D or RCTH 220^D) and (PREE 229^D or PREE 314^D or RCTH 314^D) and (PREE 319^D or RCTH 319^D) and (PREE 320^D or RCTH 320^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 423 - Facilitation of RT Interventions

This course will offer an overview of several different Recreational Therapy interventions and techniques, with emphasis on evidence-based practice specific to the areas of community reintegration and its many components, including areas such as social skills, mobility training, and money management (as examples).

Prerequisites: (PREE 220^D or RCTH 220^D) and (PREE 229^D or PREE 314^D or RCTH 314^D) and (PREE 232^D or RCTH 232^D) and (PREE 233^D or RCTH 233^D) and (PREE 319^D or RCTH 319^D) and (PREE 320^D or RCTH 320^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 450 - Internship

A supervised off-campus work experience in an appropriate aspect of recreational therapy work. Open only to RCTH majors with advanced standing.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 490 - Independent Study

A special study opportunity for students to investigate in-depth, approved topics in recreation or environmental studies. Topic and credit established by student and supervising instructor. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 491 - Professional Seminar

This course is designed to assist students in preparing for entry into the environmental education profession. Topics will include career planning, employment opportunities, employment seeking skills, and discussions centering on areas of interest to the student.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RCTH 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Russian (RUSS)

RUSS 101 - Russian Language and Culture I

This course is the first in a three course series which will provide an introduction to the Russian language.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

RUSS 102 - Russian Language and Culture II

This course is the second in a three course series which will provide an introduction to the Russian language.

Prerequisite: RUSS 101^D
^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

RUSS 103 - Russian Language and Culture III

This course is the third in three course series which will provide an introduction to the Russian language.

Prerequisite: RUSS 102^D

^D Requires minimum grade of D.

Credits: 3

Thematic Thread(s): Transfer Thread Completion Course

RUSS 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

RUSS 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

RUSS 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

RUSS 201 - Third Crse Russian

After a review of basic principles this course continues to develop understanding and skill in using more complex elements of the Russian language and in recognizing and mastering their use in both written and spoken form. Taught through distance education.

Credits: 3

RUSS 202 - Intermediate Russian I

Comprehensive review of Russian grammar with emphasis on developing the students' abilities for proficient oral and written accomplishments.

Prerequisite: RUSS 103^D

^D Requires minimum grade of D.

Credits: 3

RUSS 210 - Russian Literature in Translation

A study of representative Russian literary works from its origins to 1917. Course is taught in English; no knowledge of Russian required.

Credits: 3

RUSS 270 - Study in the Republic of Russia

This course is designed for students who desire to study modern Russia first-hand. Students will study modern Russian economy, housing, the political system, history, and information on Russia while traveling in the Republic of Russia.

Prerequisites: ENGL 101^D or ENGL 102^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 1-3

RUSS 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

RUSS 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

RUSS 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

RUSS 301 - Advanced Russian 1

A detailed course designed to give the student a valid structural knowledge of Russian. A study of the finer points of modern Russian usage.

Prerequisite: RUSS 202^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 302 - Advanced Russian 2

An advanced course in the study of Russian grammar designed to improve vocabulary, idiomatic useage, reading skills, and individual style.

Prerequisite: RUSS 301^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 305 - Russian Civilization via Film

A comprehensive analysis of Russian civilization through the media of Russian film. Russian films with subtitles present all major aspects of Russian civilization: the Tatar yoke, Russian expansion, the rise of Muscovy, the social-economic-political conflicts at various levels of tsarism, communication and post-communism. No prerequisite

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 306 - The Challenge of Russian Legacy

A broad study of the social, political, historical, economic, and cultural situations of modern Russian from 1917 to the present. Course is offered in English and is open to all interested students.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

RUSS 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Safety Management (SFMG)

SFMG 118 - Introduction to Safety

Examines basic safety practices, incident causal factors, and preventative measures.

Credits: 3

Term(s) Typically Offered: Offered Every Term

SFMG 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SFMG 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Safety Management.

SFMG 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Safety Management.

SFMG 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a major in Safety Management.

SFMG 205 - First Aid and Safety

Emphasizes prevention, protection from further harm and correct response to common emergencies resulting from trauma and/or illness confronting the citizen. Provides opportunity to earn certification in American Red Cross First Aid and American Red Cross CPR or American Health Association CPR.

Credits: 3

Term(s) Typically Offered: Offered as Needed

SFMG 218 - Legislative Compliance-General Industry

Examines workplace hazards as they relate to the Occupational Safety and Health Act and promulgated standards (Labor).

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 228 - Motor Transportation Fleet Safety

Focuses on the essential elements of a comprehensive motor transportation fleet safety program as they relate to protecting and conserving enterprise resources.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Safety Management.

SFMG 248 - Hazardous Materials & Waste Management

Examines the recognition, evaluation, control, and legislative compliance of hazardous materials and waste through effective safety management.

Prerequisites: CHEM 104^D or CHEM 107^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Safety Management.

SFMG 258 - Construction Safety

Safety requirements and responsibilities for the construction industry.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Safety Management.

SFMG 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 318 - Principles of Industrial Hygiene

Concentrates upon the recognition, evaluation and control of employee-related workplace health hazards. Course includes an instrumentation component.

Prerequisites: CHEM 104 (may be taken concurrently)^D or CHEM 107^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 319 - Principles of Industrial Hygiene II

Concentrates upon the recognition, evaluation and control of employee-related workplace hazards. Course includes an instrumentation component. Courses is a continuation of SAFE 318.

Prerequisites: (SAFE 318^D or SFMG 318^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 328 - Comprehensive Emergency Management and Fire Services

Examines comprehensive emergency management and fire services as they relate to preparing, preparing, protecting, and preserving resources.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 338 - Ergonomics and Human Factors

Examines workplace design adversities as well as their remediation by the safety function.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 368 - Injury and Damage Incidents Evaluation

Focuses on the investigation, analysis, and evaluation of injury and property damage incidents. Includes Workers' Compensation and insurance variations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 378 - Energy Exploration and Generation

This course examines the safety management of energy exploration and energy generation safety.

Prerequisites: (SAFE 118^D or SFMG 118^D) and (SAFE 218^D or SFMG 218^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Safety Management.

SFMG 380 - Healthcare Safety, Compliance and Accreditation

This course will cover a wide array of topics that will expose students to healthcare safety and compliance. The course will cover topics related to the accreditation process detailing the students anticipated role in the process based on their respective majors. The students will also gain a familiarity with the various regulatory agencies that govern healthcare with a focus on the environment of care (EC) and how it's incorporated across the organization. The students will also understand the impacts of noncompliance as well as best practices for accreditation success.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SFMG 385 - Safety Measurement, Evaluation, and Research

This course introduces safety management students to applied safety research utilizing analysis of evaluative data and statistical procedures applicable to the safety field. The course includes discussions on databases, sampling techniques, and statistical and survey tools. This course will introduce students to data interpretation and how to prepare applied safety research documents.

Prerequisites: (SAFE 118 (may be taken concurrently)^C or SFMG 118 (may be taken concurrently)^C) and (SAFE 218 (may be taken concurrently)^C or SFMG 218 (may be taken concurrently)^C) and (SAFE 258 (may be taken concurrently)^C or SFMG 258 (may be taken concurrently)^C) and STAT 152 (may be taken concurrently)^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SFMG 388 - Insurance Risk and Loss Control Management

Examines Risk as it applies to Occupational Safety and Health in an evolving world with a focus on risk assessment and treatment through Insurance and Loss Control Management.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Senior 1, Senior 2 or Sophomore 2.

SFMG 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 408 - Contemporary Safety Topics and Issues

Examines emerging issues and topics in the field of safety. Must be taken the semester prior to internship.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 418 - Security in the Workplace

Examines security in relation to protecting assets and resources within an enterprise.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SFMG 448 - Management and Integration of Safety

Involves the development, integration, evaluation, management, and cost containment strategies of the safety function within an enterprise.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 450 - Internship

Provides opportunity to apply theory and develop competencies through a work-related experience in an appropriate cooperating enterprise. Summers only.

Credits: 3-12

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 478 - Environmental Permitting and Sustainability

This course examines the role of Safety Management in assessment of environmental regulations and permitting and application of sustainability practices.

Prerequisites: (SAFE 118^D or SFMG 118^D) and (SAFE 218^D or SFMG 218^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Summer & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Safety Management.

SFMG 488 - Safety Training and Development

Examines workplace safety training and development as they relate to employer work task performance at all levels of an organization.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Safety Management.

SFMG 490 - Independent Study

Students study under the supervision of a professor on a specific and significant topic. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

SFMG 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a major in Safety Management.

Science (SCI)

SCI 101 - Science of Life

A one semester foundational science course intended to provide students with: 1. An understanding of the scientific process; 2. Fundamental scientific literacy; 3. Background knowledge in biological and chemical concepts; 4. An understanding of how to collect, analyze, and interpret scientific data. This course is a combined lecture and lab course that will cover contemporary issues directly within the fields of biology and chemistry.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SCI 102 - Understanding the Physical World

A one semester foundational science course intended to provide students with: 1. An understanding of the scientific process; 2. Fundamental scientific literacy; 3. Foundational knowledge in geology, environmental science, space science, and physics concepts; 4. An understanding of how to collect, analyze, and interpret scientific data. A combined lecture and lab course that will explore contemporary issues directly related to geology, environmental science, space science, and physics.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

Secondary Education/Foundations Education (SEFE)

SEFE 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SEFE 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SEFE 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SEFE 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SEFE 200 - Introduction to Education, Teaching Methods and Field

This course is designed to introduce the student to the field of education. Topics covered include: the role of the teacher, structure and organization of schooling, and current issues and concerns relating to education.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

SEFE 230 - Production and Utilization of Instructional Technology

Selection, utilization and production of instructional materials. Equipment operation via self-instruction in the Media Lab.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SEFE 245 - Middle Level Learning Theory

This course provides pre-service teachers with a knowledge base of the learning theories, with a special focus on the application of the psychological learning theories to the teaching and learning of the adolescent learner.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 250 - Pre, Early, & Adolescent Development

An analysis of the physical, social, emotional, cognitive, moral, and other developmental processes which occur during the pre-adolescent/adolescent years, and affect his/her learning.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 251 - Teaching Reading in the Content Areas Grades 4-8

This course is designed to introduce the middle level teaching candidate to reading across the content areas.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment is limited to students with a program in Mid Level-Eng&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8) or Middle Level-Science (4-8).

SEFE 280 - Cultural Minorities in Education

A study of multi-cultural issues in American education with emphasis on the theory and practice relating to race, religion, ethnicity, social class, gender, age, and exceptionality.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

SEFE 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SEFE 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SEFE 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SEFE 300 - Middle Level Cognitive Development

This course provides pre-service teachers with a knowledge base of the various factors which affect the learning, cognition, and cognitive development of the pre-adolescent learner.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 311 - Teaching of Mathematics in the Middle School

Students will explore curriculum models, teaching materials, technology and best teaching practices for enhancing middle school students' mathematical understanding.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 319 - Teaching of Social Studies in Secondary Schools

The development and refinement of teaching competencies particularly related to the teaching of secondary school social studies: history, political science, economics, geography and sociology/anthropology. The course will emphasize the development of social studies in the school, teaching methodology (past and current), the unit approach to teaching social studies, media uses and preparation of media materials, teaching techniques, professional organizations, and teaching aids and materials such as computers, television and simulation programs.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 320 - Teaching of Language Arts in Secondary Schools

The development and refinement of teaching competencies particularly related to instruction in secondary school language arts, including English. The course also emphasizes English curriculum, teaching strategies and methodologies and the use of media in content presentation.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 323 - Teaching World Languages

Theory and methodology for teaching world languages throughout the K-12 curriculum.

Prerequisite: SEFE 200^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 324 - Methods for Teaching English as a Second Language and Bilingual Education

A course designed to acquaint the prospective teacher at any level with the methodology used to teach English to native speakers of other languages. Also acquaints students with the specialized procedures used when teaching in bilingual classrooms (any two languages) on any level.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 325 - Teaching in the Middle Level Grades

Focusing on middle school teaching in grades 4 through 8, this course examines the organization, curriculum, instructional strategies, classroom management techniques, and teaching methods for working with young adolescents. Also covered are middle level guidance, exploratories, scheduling, and parent-school relations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 326 - ELL Strategies and Practice

A course designed to acquaint the prospective teacher at any level with the methodology used to teach English Language Learners. Topics include linguistic and cultural diversity, standard-based instruction, assessment, and professionalism.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 may **not** enroll.

SEFE 329 - Methods of Instruction in Secondary Content Areas

This course is designed to provide prospective secondary teachers with the opportunity to design and teach lessons using basic instructional models and teaching strategies. The role of reading, writing, and oral communication in the teaching/learning of secondary content is also addressed. Following microteaching episodes, students reflect upon and analyze the teaching processes to clarify instructional values and to encourage critical inquiry.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 335 - Teaching Middle Level Social Studies

Designed for pre-service middle school teachers, focusing on grades 4 through 8, this multifaceted course compiles well-researched and essential information on social studies education. The course uses the standards recommended by the National Council for the Social Studies and the Pennsylvania Department of Education as a foundation, thoroughly discussing the core disciplines and thematic strands of social studies. The knowledge base is packed with useful information on an all-encompassing range of teaching methods and tools, including lesson planning, skills development, assessment, multiple intelligences, determining one's personal philosophy of education, and utilizing information technology.

Prerequisites: SEFE 200^D and SEFE 270^D and CDEV 248^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 337 - Teaching Middle Level Language Arts

This course provides pre-service upper elementary and/or middle-level teachers, focusing on grades 4 through 8, with the relevant teaching strategies and content for English pedagogy.

Prerequisite: SEFE 270^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 338 - Standards-Based Instruction & Assessment in the Inclusionary Classroom

Assessment skills, extensive practice, and the application of assessment results to design effective individualized interventions are essential middle level teaching skills. Successful demonstration of these abilities is an expected outcome through the PDE 430, Pennsylvania Statewide Evaluation Form for Student Professional Knowledge and Practice. Assessment knowledge has an important role in the standards and rubrics adopted by the National Middle School Association (NMSA). The "Assessment in a Standards Aligned System" section of this document has an overview of the types of assessments used in the Pre K-12 settings and competencies for all professional education candidates.

Credits: 3

Term(s) Typically Offered: Offered Spring & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 342 - Educational Psychology for Diverse Learners

This course provides the knowledge-base of (behavior, social learning, cognitive, constructivist and humanistic) learning theories, as applied in the context of diverse teaching and learning environments. The content also includes the topics of assessment, evidence-based research methods, motivational theories, and classroom management skills to enable the pre-service teacher to create effective learning environments for diverse learning contexts.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 349 - Teaching of Science in the Middle School

Students will explore curriculum models, teaching materials, technology and best teaching practices for enhancing middle school students' understanding in science.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 370 - Educational Measurements, Assessment and Evaluation

Objectives for testing and evaluation; construction and analysis of classroom tests for evaluative and diagnostic purposes; construction and application of non-test tools for assessment, including portfolios; statistical analysis of testing and measurement data; use of standardized tests in the classroom; and the use of computers.

Prerequisite: SEFE 200^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 375 - Language Across the Secondary Curriculum

An examination of the language processes and their connection to learning content in secondary school. Based on the understanding of language and learning processes, future secondary teachers learn to employ teaching strategies that both enhance learning and improve reading, writing, speaking, and listening skills. Required of all secondary majors.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 380 - History and Philosophy of Education

Critical exploration of the philosophical issues and historical antecedents that form the bases for past and current American educational practice in a multicultural society.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 401 - Education and American Activism

This course examines the connections between the American education system and social activism in the United States. This includes contrasting theories relating to the purpose of public education, historical analysis of cases in which the education system played an active role either in supporting social change or in reinforcing social order, and a critical reflection upon current education reforms in the United States.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

SEFE 420 - American Education in the Twenty-First Century: A Comparative Perspective

American educational policies and practices are viewed within a global context. Undergraduate students, who will become parents and taxpayers, are introduced to the core social and educational institution in developed or developing societies: the school.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 422 - Practicum in the Middle-Level Grades

Designed to give middle-level majors a pre-student teaching field experience in the middle level grades under the supervision of a University faculty member.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 426 - Practicum in Middle-Level & Secondary Education

Designed to give SEFE majors a pre-student teaching field experience in a middle-level or secondary classroom within the grade-level and content area of their degree program under the supervision of a university faculty member.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 439 - Issues in the Diverse Secondary Content Area Classroom

This course is designed to help secondary teachers apply theoretical models to classroom management and to the teaching of reading and writing in content area classrooms. Additionally, the principles of school law as they apply to classroom teachers will be examined. Finally, the course will be taken concurrently with student teaching to facilitate the integration of theory with practice.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 455 - Student Teaching - Secondary Education

Under the guidance of a cooperating teacher and university supervisor, students engage in two eight-week assignments on a full-time basis in specified school districts and attend scheduled seminars. Supervisors assign additional requirements.

Credits: 3-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 456 - Student Teaching - Middle Level Grades

Under the guidance of a cooperating teacher and university supervisor, teacher candidates engage in two eight-week assignments on a full-time basis in specified school districts at the middle level and also attend scheduled seminars. University supervisors assign additional requirements.

Credits: 12

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SEFE 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SEFE 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Social Work (SOWK)

SOWK 105 - Human Diversity

An orientation to living and working with diverse populations within modern American society, including examination of the strengths and stresses associated with diversities.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

SOWK 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SOWK 170 - Cultural Competence and Social Change

This course is designed to provide an overview of social issues to increase student understanding of the problems faced by societies today. Students will enhance their skills in critical thinking to analyze and acknowledge complexities in social issues, assessing problems, advocating and facilitating change.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SOWK 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SOWK 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 200 - Introduction to Child Welfare

This course introduces the field of child welfare, focusing on the history, policies, practices, and ethical considerations involved in working with children and families. Students will learn about the roles of helping professions, key legislation, and the challenges children and families face within the child welfare system. The course provides a foundational understanding of supporting and protecting vulnerable children and promoting family well-being.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Transfer Thread Completion Course

SOWK 230 - Social Justice and Equality

This course provides an overview of Frederick Douglass' perspectives on injustice and racial prejudice, which will be examined from his life experiences as a former slave who became the pre-eminent voice of the liberation struggle. The historical context of Douglass' life will be compared and contrasted to contemporary issues of race, ethnicity, freedom, and diversity awareness.

Credits: 3

Term(s) Typically Offered: Offered Winter, Spring&Summer

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

SOWK 251 - Introduction to Social Work

An orientation to the field of social work and social work activities in the community. Includes service learning.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SOWK 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SOWK 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 300 - Crisis Intervention

This course focuses on social work practice skills to effectively recognize and intervene in crisis situations. It examines factors influencing the development of crises, the identification of potential crises, and the use of de-escalation skills. The course will focus on developing effective crisis intervention skills and techniques for a variety of crisis situations with diverse populations.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Citizenship & Social Problems, Transfer Thread Completion Course

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

SOWK 310 - Animal Assisted Interventions

This course is designed to provide students with an understanding of the human-animal bond and how this relationship can foster interventions in the human service and health care fields. Students will learn several animal-assisted services (interventions), beneficial effects, and how they are implemented with diverse groups in various practice settings.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

SOWK 311 - Clinical and Academic Documentation for Social Work

This course will assist students in developing strong clinical documentation skills for social work practice. Students will be exposed and practice various types of clinical documentation. Additionally, students will enhance their clinical and academic writing by creating a portfolio of various documents.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SOWK 318 - Research Methods

Major methods and procedures used in social work and sociological research.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Social Work.

SOWK 319 - Statistical Methods

Introduction to basic statistical concepts and research techniques used in social research. Also listed as PROF 317

Prerequisite: SOWK 318^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Social Work.

SOWK 321 - Forensic Social Work

This course applies social work principles to various aspects of the legal system. Students will address legal rights, policies and practice in various forensic settings and with clients involved with the law and legal system. This course includes service learning.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SOWK 328 - Human Behavior and the Social Environment

Human Behavior and the Social Environment utilize a life course perspective and additional theoretical perspectives to understand human behavior and its development across the lifespan. Particular focus is placed on the interrelatedness of the biological, psychological, social, and spiritual aspects with a "person in the environment" framework.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Social Work or Social Work.

SOWK 334 - Clinical Perspectives on DSM Diagnoses

Course content related to taxonomy, etiology, and diagnostic impressions of psychiatric disorders will be presented. Social Work services will be analyzed in relation to the disorders, with a focus on the influence of social class, gender, race, ethnicity, and poverty on mental disorders.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Criminology & Criminal Justice or Social Work.

SOWK 340 - Social Welfare Institutions

An introductory analysis of social welfare policies, issues, and institutions. This course provides the history of what we now recognize as social welfare policies, the role of the social work profession, and key policy developments. It offers an introduction to policy practice and the evaluation of social welfare programs and institutions from historical, societal, and organizational perspectives, with a focus on the impact of social, political, and economic institutions on oppressed and vulnerable populations.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Social Work.

SOWK 355 - Social Work Practice with Individuals

This course teaches the foundational practice skills utilized in generalist social work practice with individuals. Students will learn how to engage, assess, intervene, and evaluate work with individuals from diverse backgrounds, applying culturally responsive techniques to promote social justice, client empowerment, and ethical decision-making. Through experiential learning and critical reflection, students will develop skills to address systemic inequities and advocate for equitable outcomes in various social work settings.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Social Work.

SOWK 356 - Social work Practice with Groups & Families

This service-learning focused course provides the student with the fundamentals and usefulness of group work as it applies within the scope of practice of a generalist social worker. Concepts of group work specifically addressing ethical considerations, group process, organization, purposes, types, assessments, planning, analysis, and feedback will be examined. Students will engage in practice-based exercises to develop skills and use learned group techniques in a practice environment, with a focus on cultural diversity, ethical behavior, and research-informed practice.

Prerequisite: SOWK 355^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Social Work.

SOWK 357 - Social Work Practice with Organizations and Communities

This service-learning focused course provides the student with the fundamentals and usefulness of group work as it applies within the scope of practice of a generalist social worker. Concepts of group work specifically addressing ethical considerations, group process, organization, purposes, types, assessments, planning, analysis, and feedback will be examined. Students will engage in practice-based exercises to develop skills and use learned group techniques in a practice environment, with a focus on cultural diversity, ethical behavior, and research-informed practice.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Social Work or Leadership.

SOWK 375 - Social Work Practice with Substance Use Disorders

This course explores the complexities of substance use disorders (SUDs) and their treatment within various social work settings, including child welfare, behavioral health, medical, and school environments. Students will examine the impact of drug policies, societal stigma, treatment practices, and recovery supports on individuals and communities affected by substance use disorders. The course integrates knowledge of policy, practice, and research to prepare students for effective intervention and advocacy in this critical area of social work practice.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Social Work or Social Work.

SOWK 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SOWK 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 407 - Social Policy Issues

This course examines the problems and issues associated with social policy, including the politics of social welfare policy. Students will explore the role of policy in social work practice, analyze social problems through the lens of policy, and engage in policy practice to advocate for social justice.

Prerequisites: SOWK 251^D and SOWK 340^{*D} (may be taken concurrently).

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a major in Social Work.

SOWK 450 - SOWK Internship

A Social Work Internship.

Corequisite(s): SOWK 460

Credits: 1-12

Term(s) Typically Offered: Offered Spring & Summer Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a major in Social Work.

SOWK 460 - Social Work Integrative Seminar

This senior level course integrates a four year social work curriculum with emphasis on knowledge base and skill acquisition for working in micro, mezzo, macro and research practice. This course will be a corequisite with SOWK 450 (Internship)

Corequisite(s): SOWK 450

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a major in Social Work.

SOWK 490 - Independent Study

Independent research under the guidance of a faculty member.

Prerequisite: Permission of the instructor, departmental chairperson, and dean of the college where the study will be conducted. (repeatable up to 6 credits) Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SOWK 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SOWK 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Spanish (SPAN)

SPAN 101 - Spanish Language & Culture I

This course is the first in a three-course series that offers an introduction to the Spanish language and cultures of the Spanish-speaking World.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

SPAN 102 - Spanish Language & Culture II

This is the second in a three-course series that offers an introduction to the Spanish language and cultures of the Spanish-speaking World.

Prerequisites: minimum score of 15 in 'Placement in SPAN102' or SPAN 101^D or SPAN 110^D or SPAN 121^D or SPAN 131^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

SPAN 103 - Spanish Language & Culture III

This course is the third in a three-course series that offers an introduction to the Spanish language and cultures of the Spanish-speaking World.

Prerequisites: minimum score of 25 in 'Placement in SPAN103' or SPAN 102^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

SPAN 104 - Situational Spanish

This course provides the opportunity to learn practical application Spanish phrases and cultural aspects relevant to future careers in fields that have direct contact with the public, depending on situations specific to the different professional fields.

Prerequisite: SPAN 102^D
^D Requires minimum grade of D.

Credits: 3

SPAN 110 - Spanish for Educators

This course provides an introduction and essential tools for communicating with Spanish-speaking students, parents/guardians and school personnel to pre-service and in-service educators.

Credits: 3

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Health and Physical Education, Early Child/Spec Ed(PK-4)PK-8), Sec Education-English(7-12), Sec Education-French (K-12), Mid Level-Engl&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8), Middle Level-Science (4-8), Sec Ed-Social Stud-Hist (7-12), Secondary Educ-Spanish (K-12), SPED Transition Programming, Music Education (PK-12), Music Education (K-12) or K-12 Art Teacher Preparation.

Enrollment limited to students in the College of Education or College of Liberal Arts colleges.

SPAN 121 - Spanish for Health Professionals

This course will explore occupational Spanish specializing in Health Care Professionals. This course provides an introduction and essential tools for communicating with Spanish-speaking patients. The course's context is health professions and communicative aspects within the field of Health. The topics presented are carefully selected/designed to help health care professionals manage various situations within the field while addressing Spanish-speaking patients. This course has no prerequisites. This course satisfies the prerequisite for Span 102.

Credits: 3

Term(s) Typically Offered: Offered Winter Terms

Thematic Thread(s): Citizenship & Social Problems, Human Diversity & Well-Being, Transfer Thread Completion Course, United States in Global Context

Enrollment limited to students in a Bachelor of Science degree.

SPAN 122 - Spanish for Health Professionals II

This is the second in a three-course series that offers an introduction to the Spanish language and cultures for healthcare professionals. It provides an introduction and essential tools for communicating with Spanish-speaking patients. The course's context is health professions and communicative aspects within the field of healthcare. The topics presented are carefully selected/designed to help future and current healthcare professionals manage various situation within the field while addressing Spanish-speaking patients. This course has the prerequisite of Spanish 101: Spanish Language and Culture I OR Spanish 121: Spanish for Health Professionals I. This course can be used as a prerequisite for courses requiring Span 102.

Prerequisites: SPAN 101^D or SPAN 121^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the College of Engineering & Science or College of Health Professions colleges.

SPAN 123 - Spanish for Health Professionals III

This is the third in a three-course series that offers an introduction to the Spanish language and cultures for healthcare professionals. It provides an advanced and essential tools for communicating with Spanish-speaking patients. The course's context is health professions and communicative aspects within the field of healthcare. The topics presented are carefully selected/designed to help future and current healthcare professionals manage various situation within the field while addressing Spanish-speaking patients. This course has the prerequisite of Spanish 101: Spanish Languages and Cultures I OR Spanish 121: Spanish for Health Professionals I. Spanish 102: Spanish Languages and Cultures II OR Spanish 122: Spanish for Health Professionals II. This course satisfies the prerequisite for Span 103. Credits: 3

Prerequisites: SPAN 102^D or SPAN 122^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students in the College of Engineering & Science or College of Health Professions colleges.

SPAN 131 - Spanish for the Business World

This course is intended for students who wish to acquire knowledge of Spanish for use in a practical business context. This course provides an introduction and essential tools for communicating with Spanish-speaking clients and partners as well as culture background to succeed in a cross-cultural environment. The topics presented are carefully selected/designed to help business professionals manage various situations within the field while addressing Spanish-speaking clients and partners. This course has no prerequisites.

Credits: 3

Thematic Thread(s): Cultural Literacy & Community Building, Human Diversity & Well-Being, Transfer Thread Completion Course

Enrollment limited to students in a Bachelor of Science degree.

SPAN 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SPAN 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPAN 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPAN 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPAN 200 - Writing in Spanish for the Professions I

This course provides a review of basic Spanish grammar with an emphasis on developing writing skills for the professions.

Prerequisites: minimum score of 35 in 'Placement in SPAN200 level' or SPAN 103^D or SPAN 104^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

SPAN 201 - Speaking in Spanish for the Professions I

A functional course in speaking and writing Spanish, stressing everyday vocabulary and sentence structure. Some grammar review.

Prerequisites: SPAN 103^D or SPAN 104^D or minimum score of 35 in 'Placement in SPAN200 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

SPAN 215 - Topics in Hispanic Culture

This course provides insight into Hispanic cultures by examining the practices and traditions of the different countries that comprise the Hispanic world. This course is taught in English.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course, United Stated in Global Context

SPAN 220 - Understanding Hispanic Cultures Through Reading

In this course students develop a deeper understanding of the cultural diversity of the Hispanic World through a variety of texts and media related to different disciplines.

Prerequisites: SPAN 200^D or minimum score of 35 in 'Placement in SPAN200 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

SPAN 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPAN 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPAN 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPAN 300 - Writing in Spanish for the Professions II

This course reviews intermediate-level grammar concepts while at the same time focusing on writing skills with an emphasis on developing writing proficiency for the professions.

Prerequisites: minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level' or SPAN 200^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 301 - Speaking in Spanish for the Professions II

This course is the second in a three-course sequence that focuses on developing students' oral proficiency, including fluency and functional competence.

Prerequisites: SPAN 201^D and (SPAN 200^D or SPAN 220^D) or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 302 - Communication in Spanish for the Elementary Classroom

This course is designed to offer the elementary education major specific language skills necessary for effective communication in the elementary education classroom. (open only to Ed majors).

Prerequisites: SPAN 201^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a minor in Spanish (Elem Ed).

Enrollment limited to students in the following programs:

- BSSED11
- BSSED1100
- BSSED1189
- BSSED1192
- BSSED1231
- BSSED1233
- BSSED1234
- BSSED1235
- BSSED1284

SPAN 303 - Developing Communicative and Cultural Competence for the Workplace

This course is designed to teach students the necessary skills to interact effectively in Spanish in a professional setting.

Prerequisites: SPAN 200^D and SPAN 201^D and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 305 - Spain Today

A study of the history of Spain and of important components of its culture, such as art, architecture, and daily life.

Prerequisites: (SPAN 200^D or SPAN 201^D) and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 307 - U.S. Latino Cultures

A study of the cultural background of the members of the Spanish-speaking minorities in the United States, especially the Chicanos, Puerto Ricans and Cubans.

Prerequisites: SPAN 220^D and (SPAN 200^D or SPAN 201^D) or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 309 - Hispanic Civilization for the K-12 Classroom

This course, designed for the Elementary Education major, focuses on themes of Hispanic civilization and culture appropriate for inclusion in the K-12 classroom. Open to Spanish education majors only.

Prerequisites: (SPAN 200^D or SPAN 201^D) and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Elementary Education (K-6), Early Childhood Ed (PK-4), Early Child/Spec Ed(PK-4)PK-8), Mid Level-Engl&Lang Arts (4-8), Mid Level-Mathematics (4-8), Mid Level-Social Studies (4-8), Middle Level-Science (4-8), Secondary Educ-Spanish (K-12) or Spanish (Elem Ed).

SPAN 315 - Spanish Study Abroad

This course is designed for students who wish to study the Hispanic society firsthand. Students will study the culture, literature, history, art, and other issues concerning the country where the program is offered.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 318 - Hispanic Children's Literature for the K-12 Classroom

Students will read legends, fables, poems which are part of the Hispanic tradition and which are told to or read by young children and younger adolescents.

Prerequisites: (SPAN 200^D or SPAN 201^D) and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a minor in Spanish (Elem Ed).

Enrollment limited to students in the following programs:

- BSED11
- BSED1100
- BSED1189
- BSED1192
- BSED1231
- BSED1233
- BSED1234
- BSED1235
- BSED1284

SPAN 326 - The Civilization of Spanish America: Precolumbian to 19th Century

A study of the development of the civilization of Spanish America from Precolumbian times to the 19th century, including important aspects of their culture, such as art, architecture, and daily life.

Prerequisites: (SPAN 200^D or SPAN 201^D) and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 328 - Latin American Today

A study of the development of the civilization of Spanish America from the 19th century to the present, including important aspects of their culture, such as art, architecture, and daily life.

Prerequisites: (SPAN 200^D or SPAN 201^D) and SPAN 220^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 330 - Spanish Literature 1800 to Present

A study of major writers genres and literary movements of Spain in this period.

Prerequisites: SPAN 220^D and (SPAN 200^D or SPAN 201^D) or minimum score of 45 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 332 - Spanish American Literature - 19th Century to Present

A study of major writers genres and literary movements of Latin American in this period.

Prerequisites: SPAN 220^D and (SPAN 200^D or SPAN 201^D) or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 335 - Women in Hispanic Literature

A study of Hispanic women authors and of Hispanic women as literary characters in Hispanic literature.

Prerequisites: SPAN 220^D and (SPAN 200^D or SPAN 201^D) or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 340 - Introduction to Translation

This course provides hands-on experience translating different types of texts to further develop Spanish language skills and intercultural competence.

Prerequisites: SPAN 300^D or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 350 - The Sounds of Spanish

In this course students will work on their Spanish pronunciation skills and will also learn about dialectal variations in the Spanish-speaking world.

Prerequisites: SPAN 200^D and (SPAN 201^D or SPAN 220^D) or minimum score of 45 in 'Placement in SPAN300 level' or minimum score of 457 in 'Placement in SPAN300 level'

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 400 - Writing in Spanish for the Professions III

This course provides an overview of intermediate- and advanced-level Spanish grammar with an emphasis on research and advanced writing skills.

Prerequisite: SPAN 300^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 401 - Speaking in Spanish for the Professions III

This course is the third in a three-course sequence that focuses on developing students' oral proficiency, including fluency and functional competence.

Prerequisite: SPAN 301^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 431 - Exploring Spanish Culture through Media

A study and analysis of the most important works of representative Spanish authors of this period.

Prerequisites: SPAN 300^D and (SPAN 305^D or SPAN 307^D or SPAN 326^D or SPAN 328^D) and (SPAN 330^D or SPAN 332^D or SPAN 318^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 432 - Exploring Latin American Cultures through Media

A study and analysis of the most important works of representative Spanish-American authors of this period.

Prerequisites: SPAN 300^D and (SPAN 305^D or SPAN 307^D or SPAN 326^D or SPAN 328^D) and (SPAN 330^D or SPAN 332^D or SPAN 318^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 490 - Independent Study

Students have an opportunity to study selected areas in greater concentration. The nature of the topic selected and its treatment are determined in consultation with the instructor. credits) Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPAN 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Special Education (SPED)

SPED 121 - Overview of Special Education

The purpose of this course is to provide a broad overview of the terminology, strategies, and issues commonly encountered when addressing the needs of exceptional individuals. This course takes a multidisciplinary approach that begins with an introduction to the history of special education and important legislation, followed by discussion of individual areas of exceptionalities. Emphasis will be placed on etiology, identification, assessment treatment and social issues and concerns.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SPED 122 - Low Incidence Disabilities

This course will examine best practice and policies relating to the educational consequences of low-incidence disabilities. An emphasis on deafness, blindness, deaf-blindness, severe disability and multiple disability will occur. Placement and accommodation issues in integrated educational settings will also be a focus.

Prerequisite: SPED 121^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SPED 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SPED 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPED 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPED 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPED 220 - The Nature and Needs of Autism Spectrum Disorders

This course will focus on an understanding of the characteristics of Autism Spectrum Disorders (ASD) and the implications for individual's lifespan. The course will explore the latest research on potential causes, best practices for assessment and intervention, as well as current legal and ethical issues related to autism services.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SPED 222 - Introduction to Special Education Law

In this course, students will discuss genesis of special education by way of litigation and resulting legislation as rooted in the Civil Rights Movement of the 1960's, PL 94-142, and the inception of IDEA Part A-D. An overview of PA Chapter 14 and its relation to IDEA, Chapter 15 and ADA, along with Chapter 16. Students will also explore LRE, compliance, and professional ethics and standards.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SPED 230 - Early Intervention Practices for Students with Disabilities

In this course, students will identify the critical components of an educational program for early learners with disabilities and medical diagnosis including: curricular areas, early interventions and effective teaching techniques, use of appropriated materials, transition to school age regarding Part C of IDEA, related services and personnel, parental involvement, assistive technology and inclusionary practices.

Prerequisite: SPED 121^D

^D Requires minimum grade of D.

Credits: 3

SPED 245 - Technology in Special Education

Candidates will develop the use of technologies to assist in the teaching, remediation, assessment and enrichment of students with special needs in inclusive traditional and/or cyber classrooms. The goal is to help pre-service teachers implement instructional and assistive technology effectively. This course will also provide a framework for utilizing educational technology to meet the individualized needs of students.

Prerequisite: SPED 121^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

SPED 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPED 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPED 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPED 302 - Developmental Disabilities

The learner will identify the critical components of an educational program for persons who have mental retardation classified as moderate, severe, or profound including: curricular areas, effective teaching techniques, appropriate materials, team approaches, ancillary services, parental involvement and inclusionary practices. Includes a lab of three contact hours per week with students who have severe and/or multiple disabilities.

Prerequisites: (SPED 202^D or SPED 122^D) and (SPED 203^D or SPED 121^D or SPED 100^D) and (SPED 204^D or SPED 230^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 315 - Special Education Issues in Diverse Secondary Classrooms

This course is designed to familiarize secondary education majors with the various behavioral problems they may encounter in the inclusive classroom. Suggestions are given for ameliorating these problems, as well as successfully organizing the classroom and classroom routine. Three units of study will be explored. The three units are: 1) Classroom management with a focus on dealing with students with special needs, 2) Legal issues for secondary teachers, 3) Impact of exceptionalities in inclusive settings.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 341 - Transition Across the Lifespan

This course is designed to provide students with a life management perspective for educating persons with disabilities in an inclusive setting. This course prepares students to apply the foundational principles of special education for meeting the major developmental needs of persons with disabilities from early infancy to adulthood. This course is designed to provide the undergraduate student with a foundation for the understanding of the major developmental needs and community requirements for individuals with disabilities.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 342 - Building Community Partnerships

This course focuses on the multi-dimensional role of service provider to individuals with disabilities. In addition to hands-on experiences with service agencies, students enrolled in this course will interact with service providers, supervisors, related service personnel parents and caretakers. Students will learn how to take on all roles of a service provider and implement effective programming to address all the needs of a client(s). Students will become skilled in matching student needs with appropriate transition programming as well as identifying personnel key in providing necessary services.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Comm Prgms Amer with Disabil, Comm Prg Am Dis-Adap Phys Actv, Comm Prg Am Dis-Non-Prft Mgmt or SPED Transition Programming.

SPED 343 - Americans with Disabilities

This course will provide background for understanding how disabling conditions may handicap a person in terms of jobs, marriage, and family life, housing and transportation and citizenship. The course stresses how everyone is involved in determining the success or failure of the disabled in society. An historical overview of society's treatment of the disabled will be contrasted with recent legislation and the emerging roles of the disabled in American society. The impact of special education on the disabled person, the parents, siblings, employers, neighbors, and peers will be presented.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Spring

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 346 - Assessment in Transition Planning

This course introduces the student to the assessments utilized for evaluation of students at all levels of transition planning, spanning from school readiness assessments to transition planning for the secondary level. Students will learn to identify appropriate assessment based on student needs as well as how to administer and score evaluation data. In addition, the course will guide students in reviewing and interpreting assessment data to determine appropriate transition planning to address student needs. The course will also identify the major litigation and legislation that have significantly influenced the nature of service to exceptional populations in the area of transition planning and assessment of their needs.

Prerequisites: SPED 121^C and SPED 122^C and SPED 230^C and SPED 341^C and SPED 342^C and SPED 343^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in SPED Transition Programming.

SPED 347 - Management & Leadership

This is an advanced level course that expands students' knowledge in skills necessary to take on leadership and management roles in the secondary transition planning level. Students will be required to engage in professional organizations at the state and local level. Students will learn to identify how to develop an effective system for service delivery to clients. Additional, an emphasis will be placed on current funding sources in the nation and state as well as how to manage necessary paperwork for obtaining funding necessary to run appropriate transition programs for children and adults of transition age.

Prerequisites: SPED 121^C and SPED 122^C and SPED 230^C and SPED 341^C and SPED 342^C and SPED 343^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in SPED Transition Programming.

SPED 350 - Universal Intervention

In this course, student will identify the critical components of Tier 1 in the Multi-Tiered System of Support (MTSS) for learners with and without disabilities including: universal interventions, best practices, screening, progressing monitoring, classroom management, PBIS, collaboration, co-teaching, SDI and accommodations and inclusionary practices.

Prerequisite: SPED 121^D

^D Requires minimum grade of D.

Corequisite(s): ELEC 311

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 353 - Teaching in an Area of High Need

In this course, we will discuss the problem of over representation of individuals from diverse backgrounds in special education and the racial, cultural, and economic concerns of school systems and communities (both domestically and abroad) trying to narrow the opportunity/achievement gap for students. During the semester, students will be analyzing some of the historical, socioeconomic, and political factors school systems in areas of high need confront. Specifically, students will investigate effective instructional and organizational practices, examine home-school connections, and identify possible disparities in available resources for urban and rural schools.

Credits: 3

Enrollment limited to students with a semester level of Junior 1, Junior 2, Post Baccalaureate, Sophomore 1 or Sophomore 2.

SPED 360 - Targeted Instructional and Behavioral Interventions for Neuro-Diverse Learners

In this course, students will identify the critical components of Tier II in the Multi-Tiered System of Support (MTSS) for learners with and without disabilities including: data-based decision making, evidenced based practices, supplemental and intensive programming, differentiated instruction and assessment. These concepts will be explored within the scopes of academic and behavioral supports for exceptional learners.

Corequisite(s): ELEC 420

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Early Childhood Ed (PK-4), Early Child/Spec Ed(PK-4)PK-8), Early Child/Spec Ed(PK-4)PK-12, Special Education (PK-12) or Exceptionalities.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 410 - Transition Practicum

The practicum course focuses on developing skills in collaboration, consultation and teaming to prepare pre-service Transition Specialist students for entry into a multi-disciplinary and multi-dimensional role of services provider to individuals with disabilities. In addition to hands-on experience with service agencies, Transition Specialist students enrolled in this course will interact with clients, service providers, agency supervisors, related service personnel and care takers.

Prerequisites: SPED 121^D and SPED 122^D and SPED 230^D and SPED 341^D and SPED 342^D and SPED 343^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 431 - Intense Behavioral and Emotional Interventions for Neuro-Diverse Learners

In this course, students will identify the critical components of Tier III Emotional and Behavioral Interventions within the Multi-Tiered System of Support (MTSS) for learners with and without disabilities including: overview of severe behavior. Functional Behavioral Assessment (FBA), use of evidenced based interventions to support challenging behavior, develop more age appropriate social and emotional skills, application of effective preventative and environmental planning to limit problem behaviors as well as understanding the acting out cycle, trauma informed care and legal implications surrounding challenging behaviors in today's schools.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 432 - Intensive ELA Interventions for Neuro-Diverse Learners

This course in Special Education is designed for the teacher candidate seeking certification in K-12 Special Education. This course will focus on reading and writing interventions. Students will gain experience with a variety of strategies and interventions to use with various levels of special education needs in the regular education classroom & in pull-out placements. This course will examine effective instructional practices and delivery methods for intensive levels of special education support (K-12) in both the inclusionary and resource settings.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 433 - Assessment Strategies in Special Education

This course is designed to provide undergraduate students with the skills and knowledge necessary to conduct educational assessment of diverse students and interpret assessment results in order to plan an educational program (i.e., determine eligibility and develop an individualized education program).

Prerequisites: SPED 230^D and (SPED 325^D or SPED 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 434 - Professional Collaboration and Ethical Practices

This course focuses on skills in consultation, collaboration and learning to prepare the pre-service teacher for the multidimensional role of today's special educator. In addition to hands-on experience in classrooms, students enrolled in this course will interact with special educators, parents, general educators, and resource personnel among others. Application of teaching techniques with children with disabilities under faculty and host teacher supervision will provide the pre-service teacher with an opportunity for experience in the special education classroom as well as inclusive settings prior to the student teaching experience.

Prerequisites: SPED 230^D and (SPED 325^D or SPED 350^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 435 - Processes and Procedures in Special Education

In this course, we will discuss special education legal documentation, including referral forms relating to Tier 1-3 interventions, the evaluation process, ER, IEP, procedural safeguards, NOREPs, and Transition. Emphasis will be placed on legally defensible IEP writing, mediation, due process, objective tone, and data collection.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 436 - Intensive Mathematics Interventions for Neuro-Diverse Learners

In this course, we will discuss instructional interventions and strategies that can be utilized in an intensive, Tier 3 type, setting to assist neuro-diverse learners in understanding mathematics concepts/topics. Particular emphasis will be placed on topics and remediation strategies frequently encountered within the Grade 4 to Algebra/Grade 9 levels.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 440 - Seminar in Special Education

The purpose of this seminar is to help pre-service special education teachers understand some of the challenges encountered during the first year of teaching, and provide strategies to help prepare them to overcome these challenges as they begin their first year of teaching.

Corequisite(s): SPED 455

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 450 - Transition Internship

This 12 credit internship course focuses on advancing skills in collaboration, consultation and teaming to prepare pre-service students for entry into a multi-disciplinary and multi-dimensional role of services provider to individuals with disabilities. Students set up their own internship sites with guidance and approval from their advisor. This hands-on experience with service agencies makes up 480 hours of time in the field. Transition Specialist students enrolled in this course will interact with clients, service providers, agency supervisors, related service personnel and care takers.

Prerequisites: SPED 121^D and SPED 202^D and SPED 203^D and SPED 204^D and SPED 212^D and (SPED 311^D or SPED 313^D) and SPED 400^D

^D Requires minimum grade of D.

Credits: 3-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 455 - Student Teaching - Special Education

Under the guidance of a cooperating teacher and university supervisor, students engage in two eight-week assignments on a full-time basis in specified school districts and attend scheduled seminars. Supervisors assign additional requirements.

Prerequisites: SPED 202^D and SPED 203^D and SPED 204^D and SPED 212^D and SPED 314^D and SPED 302^D and SPED 306^D and SPED 311^D and SPED 312^D and SPED 400^D

^D Requires minimum grade of D.

Credits: 3-12

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the ACCEPTANCE - TEACHER CANDIDACY attribute.

SPED 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPED 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Sport Management (SPMT)

SPMT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

SPMT 150 - Sport Management Practicum

The SPMT practicum is designed to provide the student with a realistic experience at at level and in a setting similar to that in which he/she wishes to obtain employment. The practicum experience is a 50- hour learning opportunity in which the student assists in a particular aspect of an organization in the sport industry. SPMT 150 may be repeated to a maximum of 4 credits in 4 different experiences, and each should be with a different organization.

Prerequisite: SPMT 194^C

^C Requires minimum grade of C.

Credits: 1

Term(s) Typically Offered: Offered Every Term

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPMT 194 - Introduction to Sport Management

This course is an introduction to the field of sport management. Career options and managerial content will be reviewed. Foundation studies of sport, including history, philosophy, and professional skills, will be discussed. Must achieve at least a C grade before progressing to other SPMT courses.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Sport Management or Sport Management.

SPMT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPMT 196 - Global Sport Management

As the economy has shifted from a domestic to a globally competitive marketplace, the demand has grown for sport managers who can function effectively in the international environment. This course develops a framework for understanding the international aspects of sport management. It provides future sport managers with a broad view of the factors underlying international sport competition, sport economics, sport marketing, sport management, and sport governance. Emphasis is on environmental dynamics, cultural and economic constraints, multinational sport business organizations, unique international sport events and international sport operations, strategy and policy.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

SPMT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPMT 269 - American Sport in the 21st Century

This course is designed to give the students an understanding of the internal and external factors that shape sport in American culture. This course will analyze how sport mirrors societal changes and how sociological phenomena affect participation and behavior.

Credits: 3

Term(s) Typically Offered: Offered Fall & Summer Terms

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 286 - Sport Communication and Technology

This course is intended to provide students with a comprehensive understanding of communication and communication techniques that managers use to achieve excellence in sport organizations. Focus will be placed on public relations, as well as techniques for improving the communication skills of each student in an organized sport setting. Students will receive in-depth exposure to, (a) theories underlying the use of public relations in sport, (b) new technologies in sport communication, (c) desktop publishing in sport organizations, (d) sport organizational communication techniques, and (e) sport media relations.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPMT 294 - Sport Management and Ethics

This course is designed to integrate the concepts learned from the foundation courses in management as they apply to management areas of sport and sport agencies. The ethical strategies of sport management will be emphasized in all management decisions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

SPMT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

SPMT 301 - The Fan Experience

This course will demonstrate how the fan experience in a sport venue is impacted by marketing, promotions, the venue staff, venue design, technology, and other factors. Students will understand the customer journey and be able to identify and eliminate friction points in the fan experience.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 315 - Diversity Issues in Sport Management

This course is designed to explore the persistent causes of pervasive racism and sexism in sport as it relates to the sport management field.

Prerequisites: SPMT 194^C and SPMT 196^D and SPMT 269^D

^C Requires minimum grade of C.

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 369 - Sport Budgeting and Finance

The focus of this course is on budgeting and financial principles in the sport industry. Major components of the course include analyzing budgets from youth, community, recreational, interscholastic, intercollegiate, professional, and international sport organizations, as well as studying the financial composition and impact of the sport industry. Students will also learn to construct various types of budgets used by sport organizations.

Prerequisites: SPMT 194^D and SPMT 196^D and SPMT 269^D and SPMT 286^D and SPMT 294^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 386 - Leadership in Athletic Administration and Sport Management

The major emphasis is on the preparation of athletic administrators and sport managers within collegiate university, high school, community and youth sport organizations. Information presented in this course will examine leadership theoretical concepts to help prepare students pursuing a career in athletics management/administration. Through critical thinking component and practical application exercises, the student will apply leadership theories, principles and concepts. Ultimately, the student will develop essential leadership competencies and skills for today's athletic administrators.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 294^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 394 - Sport Marketing

Sport Marketing is designed to apply marketing principles to the area of sport, sport events and sport products. Marketing strategies including sales, promotions and advertising of sport will be emphasized.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 286^D and SPMT 294^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 396 - Selling in the Sport Industry

This course examines the skills required for a successful career in sport sales, including personal selling, social media, and electronic sales. Students will learn sales strategies for single game tickets, season tickets, group tickets, and premium tickets and will be involved in selling tickets for a sport organization.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 286^D and SPMT 294^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring & Winter Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

Enrollment limited to students in the BS 2150 program.

SPMT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 406 - Sport Fundraising and Event Management

The course content will include multiple aspects of creating, funding, and executing a variety of sports events. Topics include event planning, staffing, managing, and evaluating. Students will plan, develop, and execute their own event. In addition, the various aspects of athletic development and fundraising, particularly at the intercollegiate level, will be explored.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 286^D and SPMT 294^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 450 - Sport Management Internship

This course provides students with the opportunity to apply sport and fitness career-oriented skills in public, commercial, and private agencies. The internship is designed to be an in-depth experience. This is a Theory and Technique Course. All Sport Management coursework must be completed before enrolling in SPMT 450.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 269^D and SPMT 286^D and SPMT 294^D and SPMT 315^D and SPMT 394^D and SPMT 396^D and SPMT 406^D and SPMT 486^D and SPMT 494^C and SPMT 499^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 1-12

Term(s) Typically Offered: Offered Summer Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 486 - Sport Law and Facilities

The course will demonstrate how various aspects of law and the legal system apply to the sport industry, with a particular emphasis on risk management, and sport facility operations. In addition, the course will provide a fundamental overview of the US court system.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 286^D and SPMT 294^D and SPMT 269^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring & Summer Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 494 - Sport Management Senior Seminar

This course is designed for the senior Sport Management student, this course will examine topics dealing with sport finance management, sport law, sport facility management, and time and stress management. Field trips to sport agencies will be required. This course must be taken in the academic semester prior to SPMT 450 (Internship).

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 269^D and SPMT 286^D and SPMT 294^D and SPMT 315^D and SPMT 394^D and SPMT 396^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

SPMT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

SPMT 499 - Sport Management Research Methods

A study of research methodology and terminology in Sport Management entailing a critical analysis of available research. Specific attention is directed to formal written communication and oral presentation skills.

Prerequisites: SPMT 150^D and SPMT 194^C and SPMT 196^D and SPMT 269^D and SPMT 286^D and SPMT 294^D and SPMT 394^D

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Sport Management, Sport Management or Esports.

Statistics (STAT)

STAT 124 - Introduction to Survey Methods

Introduction to Survey Methods: A 100 level course that introduces students to aspects of how surveys work. Students learn about the design, and interpretation of survey data. A range of survey strategies (e.g., telephone, face-to-face, mail and internet surveys) within the broader context of a research or evaluation project are introduced. Topics include formulation of research goals, developing an appropriate questionnaire design, protection of human subjects and proper conduct of research, sample size calculation and sample design, survey administration, construction of a survey report including basic data analysis techniques, and presentation of the results of a survey. Class topics are designed to convey practical knowledge of survey design.

Prerequisites: ACSD 110^D or ESAP 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

STAT 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

STAT 152 - Elementary Statistics I

This is a course about how data inform every aspect of our lives. This course focuses on what data are collected, how they are collected, how they are summarized and interpreted, and how possible error in those data is quantified and understood. In this class, we will learn about ways in which statistics are used by businesses, governmental agencies, researchers, and practitioners to understand our world. Topics covered include descriptive statistics, bivariate and multivariate data, elementary probability, random variables, normal and binomial probability distributions, Central Limit Theorem, confidence intervals, hypothesis testing, and simple linear regression.

Prerequisites: (ACSD 110^C or ESAP 110^C) or minimum score of Y in 'WAIVE ACSD110 W HIGHER MATH'

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

STAT 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

STAT 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

STAT 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

STAT 252 - Introduction to Statistical Modeling

What do we mean when we talk about "statistical modeling"? How can statistical models be used to provide evidence for scientific or social theories? In this course, we begin by reviewing hypothesis testing and learn how hypothesis testing is applied in a wide variety of statistical contexts. We then move on to the workhouse of statistical modeling, linear regression, and learn the complex methods used to determine the validity of regression models. We then touch on analysis of variance models, polynomial regression, and time series. R will be used for data analysis, but no prior knowledge of R is assumed.

Prerequisites: STAT 152^D and ENGL 102^D and (MATH 123^D or MATH 125^D or MATH 225^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

STAT 254 - Nonparametric Statistics

Statistical models in nonparametric settings. Theory and practice using techniques requiring less restrictive assumptions about the distribution of the data. Nonparametric analogues of t- and F-tests in one and two sample settings, ANOVA, regression and correlation will be discussed.

Prerequisites: MATH 125^D and (MATH 153^D or STAT 153^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

STAT 256 - Statistical Computing

Statistical computing considers how data are processed and analyzed, and how statistical models are simulated, in a computational setting. The current landscape of the statistical computing community will be explored, including common statistical software, proprietary versus open-source statistical languages, and how statistical software packages are tailored for specific uses. Computationally intense statistical techniques will be discussed and programmed. At least one proprietary and one open-source statistical computing environment will be learned. Students will learn how to combine the functionality of different statistical packages to create and present a data analysis optimally. Prior experience with computer programming highly recommended.

Prerequisite: STAT 252^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

STAT 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

STAT 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

STAT 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

STAT 318 - Statistical Study Design

There are five basic sources of data that can be used for a statistical study: observational data, experimental data, data from a survey or census, simulation data, and found data. In this course, we learn the strengths and weaknesses associated with each study type, exploring the concepts of randomization, representation, causality, weighting, estimation, and variance. Ethical issues associated with statistical studies will also be discussed. A working knowledge of spreadsheet software such as Microsoft Excel is assumed.

Prerequisite: STAT 152^C

^C Requires minimum grade of C.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 325 - Advanced Statistical Methods

Statistics is used in computer algorithms (machine learning) to enhance computer decision-making and prediction capabilities. This course will cover a wide variety of topics in statistical learning methods. Major statistical methods used in machine learning such as linear regression, survival analysis and others will be discussed. Additional topics include unsupervised learning and supervised techniques such as principal component analysis, nearest neighbor, random forest, support vector machines and neural networks. Simulation methods, such as the EM algorithm, Metropolis-Hastings algorithm and the Markov Chain Monte Carlo method will also be discussed.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 350 - Applied Statistics

A calculus-based introduction to probability and statistical applications. Discrete and continuous probability and expected value. Confidence intervals and hypothesis testing for single populations. This course is not open to students who have credit for MATH 352. This course does not count as an upper division elective mathematics course for mathematics majors.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 352 - Mathematical Statistics I

An introduction to the mathematical foundations of probability theory including discrete and continuous probability distributions, random variables, mathematical expectation, moment, and moment generating functions.

Prerequisite: MATH 230^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 353 - Mathematical Statistics II

Functions of random variables, sampling distributions, introduction to mathematical theory of statistical inference, including methods of moments, estimators, maximum likelihood estimators, sufficient statistics, interval estimates, and hypothesis testing.

Prerequisites: MATH 352^D or STAT 352^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 354 - Fundamentals of Loss Models

This course introduces a variety of frequency, severity, and aggregate models that are useful for actuarial applications. This includes analyzing data from applications, determining a suitable model, providing measures of confidence for decisions based on the model and estimating losses. Also, it introduces the mathematical model and the concept of premium rate development for the Property and Casualty insurance policy.

Prerequisite: STAT 352^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 355 - Advanced Topics of Loss Models

This course develops advanced topics in actuarial science related to short-term insurance. Topics include severity models, frequency models, aggregate models, coverage modifications, construction and selection of parametric models, credibility, pricing and reserving for short-term insurance coverages.

Prerequisite: STAT 354^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 363 - Statistical Learning

The field of statistical learning encompasses the theory and data analytic techniques developed to process and make sense of evolving data challenges arising in the fields of data science and machine learning. This course will cover the theoretical underpinnings of supervised and unsupervised learning techniques, including generalized linear models, classification, dimension reduction, and cluster analysis. R and R-studio will be used for illustrative purposes. A working knowledge of linear algebra and multivariate calculus is assumed. Previous experience using R software package is also assumed.

Prerequisites: (MATH 309^D or MATH 232^D) and MATH 231^D and STAT 252^D

^D Requires minimum grade of D.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 372 - Forecasting & Time Series

An introduction to creating, solving, analyzing and interpreting real-world time-series and forecasting models. Topics include linear, autoregressive, moving average and other forecasting and time-series techniques, transfer functions, multivariate model building, stationary and nonstationary techniques. Applications may include all areas where forecasting is required including transportation, finance, scheduling, networks, and supply chains. Appropriate software tools for analyzing forecasting models including software such as SAS and spreadsheet software will be taught.

Prerequisites: MATH 252^C or STAT 252^C or MATH 350^C or STAT 350^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 373 - Statistical Quality Control

A comprehensive coverage of modern quality control techniques including the design of statistical process control systems, acceptance sampling and process improvement.

Prerequisites: MATH 230^C and (STAT 252^C or STAT 311^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 384 - Fundamentals of Life Contingencies

This course develops actuarial techniques for the valuing of policies which depend on contingent events concerning uncertain lifetimes. The topics to be covered include life and long-term health insurance coverages, annuities, survival models, premium and policy value calculations, and option pricing fundamentals.

Prerequisite: STAT 352^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 385 - Advanced Topics of Life Contingencies

This is a comprehensive course designed to equip actuarial students with the advanced mathematical skills necessary to accurately price and manage complex long-term insurance products like annuities and life insurance policies, focusing on multi-state Markov models, contingent cash flows, and profit testing methodologies, while building upon foundational concepts of actuarial mathematics, probability, and interest theory.

Prerequisites: STAT 384^D or MATH 484^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 491 - Statistics Seminar

In this seminar, we will explore the history of statistics and the field of statistics today. Students will learn about current topics of interest in the field—technical, ethical, and societal—and will research a current technical topic of interest. This is a capstone course for statistics students.

Credits: 1

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

STAT 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Strategic Communication and Media (COMM)

COMM 110 - Communication Concepts

An overview of basic theories concerning the communication process. Recommended as a basis for major study in the area.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Human Diversity & Well-Being, Transfer Thread Completion Course

COMM 115 - Visual Literacy

A cornerstone course that involves the study of visual forms of communication with an emphasis on image-based media (newspaper, magazine, film, television, photography, informational graphics, interactive multimedia, digital games and web-based technologies). Topics include visual interpretation, visual manipulation, visual conventions, the role of visual media in cultural processes, and aesthetic appreciation.

Credits: 3

Term(s) Typically Offered: Offered Fall, Winter, & Spring

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

COMM 120 - Introduction to Digital Photography

This course provides an introduction to the basic concepts of digital photography. Technical and compositional elements for the creation of quality digital photography are covered. Focus on this course is on the commercial application of photography for media production.

Credits: 3

Term(s) Typically Offered: Offered as Needed

COMM 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

COMM 170 - Communicology

This course will introduce students to the methods of social science inquiry with an emphasis on how to analyze social trends and propose solutions to social problems facing our world within local, national, and/or global communities. Students will learn about social scientific concepts, theories, and research as they investigate the dynamic processes of understanding and sharing meaning in diverse contexts. (3 credits). No prerequisites.

Credits: 3

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

COMM 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMM 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

COMM 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMM 200 - Civil Discourse: Theory & Practice

Theory and practice of promoting shared understanding and the common good through civil discourse as related to the development and presentation of oral messages. Students will be expected to develop an understanding of the principles and practices of public speechmaking that constitute civil discourse, how the First Amendment enables it, its history and role in problem-solving, and the influence of mediated discourse on democracy.

Credits: 3

Term(s) Typically Offered: Offered Every Term

COMM 201 - Digital Imaging

This course exposes students to the use and manipulation of electronically generated images through hands-on experience with digital cameras and scanners. Market specific imaging software is used to further enhance and manipulate imagery. Course topics include visual aesthetics, composition, image layering, photo-retouching, spatial relationships, compression techniques, digital painting, editing, color adjustment, filtering, image capture and file formatting.

Credits: 3

Enrollment is limited to students with a program in Comm-Graphic Design(Art Major), Strategic Communication&Media, Strategic Communication&Media, Strategic Communication&Media or CERT - Global & Intercult Comm.

COMM 204 - Environmental Communication

In this course, students will learn about the theoretical and applied concepts that guide the discipline of environmental communication including rhetoric & discourse, media, public participation, social marketing, collaboration & conflict resolution, risk communication, and pop culture. Students will demonstrate understanding and show application of materials for successful environmental communication in a variety of protected areas and conservation settings.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

COMM 205 - Audio Production

An introduction to the aesthetic and technical production of audio for a variety of media and disciplines. Course topics include principles of hearing, sound, acoustics, and psychoacoustics, field and studio recording techniques, tools and applications for single and multi-track production and editing; and the development of vocal techniques associated with on-air announcing for radio, television and online productions.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 215 - Small Group Communication

Communication problems and processes in small groups. Topics include role and nature of the small group, communication structure, problem-solving techniques, and leadership.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Citizenship & Social Problems, Cultural Literacy & Community Building, Transfer Thread Completion Course

COMM 217 - Intercultural Communication

This course is designed to create a greater understanding of communication patterns and breakdowns which occur as members of one culture group interact with those of another culture group. This course will also develop an increased awareness of particular skills and knowledge that can foster more effective intercultural communication.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

Thematic Thread(s): Citizenship & Social Problems, Conservation, Technology & Imagination, Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

COMM 228 - Principles of Creative Advertising

This course introduces students to the history, role and context of advertising and how advertising messages solve communication problems by informing, changing attitudes and motivating behavioral changes among an organization's target audiences. Students will learn fundamentals about the advertising development and execution process, including theory and strategy, copy writing, design and selection of media.

Credits: 3

Term(s) Typically Offered: Offered as Needed, Offered Spring Terms Even

COMM 231 - Principles of Integrated Marketing Communication & Public Relations

This course seeks to introduce students to the principles of integrated marketing communication and public relations. Students will examine the strategy and tactics through which professional communicators seek to engage audiences to establish and maintain relationships between a brand/organization and its publics. In doing so, the course addresses audience analysis, audience behavior, brand messaging, strategic planning, data analysis & metrics, message strategies & tactics, digital and social media, ethics and regulation. Assignments engage students in analysis relevant to professional practice.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 232 - Publication Production

This course will be concerned with the nonverbal aspects of print communication, i.e., areas by which the communication process can be enhanced by the use of pictures, charts, graphs, white space, type faces and sizes, etc. It seeks to make students aware of the fact that print communication does not involve only words.

Credits: 3

COMM 235 - Introduction to Digital Design

Exposes students to the manipulation of digital images and their use in digital publication through hands-on experience with market-specific software. Course topics include visual aesthetics, composition, spatial relationships, type-faces, and file formatting.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 242 - Media Writing

Basic course in media writing techniques and news writing for print, broadcast, and online media platforms. Students practice and write news stories utilizing standard media editing, organization, style, sourcing, and quotation modes.

Prerequisite: ENGL 102^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 247 - Photojournalism

Photojournalism upholds the professional standards specific to newspaper photography and the recording of news events visually. Students will be introduced to basic photography skills and required to shoot assignments according to print standards on deadline. The course includes issues related to the specialization of shooting sports, spot news, features and special essays. Technical aspects of digital photography and printing for publication are also reviewed.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

COMM 248 - Interactive Multimedia 1

An introduction to the production of written and media-based content for a variety of web-based applications. Course topics include the use of content management systems, the basics of web design and blog creation, writing for the web, making media for the web, connecting to social media and web analytics.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 254 - Video Production

An introduction to video production as communication media. Emphasis on the processes and technologies of single-camera production, including: (1) operation of audio and video recording equipment, and (2) development of techniques for composition, lighting, scriptwriting, storyboarding, directing, and editing.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 256 - Message Preparation

An introduction to message preparation for a variety of media and communication functions, including radio, television, video, podcasts, instructional media, social media, websites, and advertising.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Enrollment is limited to students with a program in Comm-Graphic Design(Art Major), Strategic Communication&Media, Strategic Communication&Media, Strategic Communication&Media or CERT - Global & Intercult Comm.

COMM 257 - Recording and Producing in the Audio Industry

To better comprehend and appreciate the industry, this course will introduce students to the business of audio production and publishing. The course will address the elements of recording contracts, production and recording royalties, producing rights, and copyright laws within the audio industry. Students gain valuable knowledge in the legal and business areas within the recording industry.

Credits: 3

COMM 258 - Interactive Multimedia 2

An introduction to the aesthetic and technical production of basic multimedia content for a variety of applications and disciplines. Course topics include basic aesthetics of multimedia, and introduction to media coding and industry specific applications, and development of graphic, animated, and interactive media assets.

Prerequisites: COMM 235^D or COMM 201^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

COMM 263 - Media and Society

This course offers an exploration of the historical development, structure, and functions of both traditional and emerging media. It examines the role of media in shaping society, culture, and individual behavior. Topics include the economic, legal, and ethical challenges facing media industries, as well as the influence of media on public opinion, identity, and social values in a digital world.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

COMM 270 - Strategic Health Communication

This course examines strategic communication in the areas of health and the healthcare system, current events and issues in health communication, and the role of media and communication technologies in reaching individuals, communities, and specialized target audiences. Topics such as diversity, crisis communication, and ethics in the context of health communication will be addressed. Students will learn how to apply persuasive strategies and health communication tactics in the development of health communication campaigns.

Credits: 3

COMM 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMM 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

COMM 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

COMM 303 - Communication and Media Ethics

This course will apply theories and concepts related to Media and Communication Ethics to critically analyze real-life ethical dilemmas faced by media professionals in a globalized and diverse society. It will address the relationships of ethical principles, ethical dilemmas, and ethical practices within a variety of media professions –advertising, journalism, social media, public relations, and the entertainment industry, especially focusing on case studies with Diversity and Inclusiveness components.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 305 - Broadcast Journalism

An examination of topics critical to practice of broadcast journalism, including researching, news-gathering techniques, writing, and production skills. The course will also introduce the components of the broadcasting system in America including economics, programming, regulations, and broadcast technologies.

Prerequisites: COMM 242^D or COMM 256^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 307 - Social Media

This course will provide students with a professional approach to using social media tools in their field, examining both the technological and theoretical perspectives of social media through the hands-on application of the technologies.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 310 - Communication Research Methods

An introduction to the principles, procedures, and tools of research used in the analysis of the communication situation, including consideration of research design and statistical analysis and the identification, control, and measurement of communication variables.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 312 - Argumentation

A study of argumentation as a decision-making process. Course focuses on theories of argument, the roles of advocates and opponents, the nature of argument building, evidence, and reasoning and argument in various contexts.

Prerequisites: COMM 200^C and COMM 110^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 314 - Interpersonal Communication

This is a theory-based course examining the process of communication in dyadic and group settings. Emphasis is placed upon (1) influences upon communication processes and resulting behavior and content and (2) the development of skills and skill assessment in both settings.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 315 - Organizational Communication

A study of the communication behavior of persons in organizations. Considers the nature of organizations, communication structures in organizations, and the development of communication training in organizations.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 317 - Topics in Global and Intercultural Communication

To promote effective communication with diverse audiences in an increasingly globalized world, this course develops theoretical and applied approaches to global and intercultural communication. Through readings, resources, and case studies, students will explore intercultural communication in a variety of global contexts, analyze current global communication issues, and develop the ability to design communication strategies that are specific and adapted to an audience's historical and cultural milieu.

Credits: 3

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 318 - Professional Presentation

Principles and applications of communication techniques and media for presentations and processes common to professional settings.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 332 - Case Studies in Public Relations and Integrated Communication

This advanced course seeks to develop critical thinking skills through the examination of audience-centered case studies. Students examine how professionals in public relations and integrated communication develop objectives that translate into communication campaigns, illustrating theoretical applications in real-life situations. The development of analytical skills, ethical guidelines, and issues of diversity in communication practice are emphasized.

Prerequisite: COMM 231^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 333 - Writing for Public Relations and Integrated Marketing Communication

Course seeks to further develop the writing skills of public relations and integrated marketing communication majors. Course assignments focus on expanding students' ability to make critical decisions regarding the process of gathering necessary information, identifying objectives, and creating appropriate messages for specific target audiences.

Prerequisites: COMM 242^D and COMM 231^D and COMM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 334 - Publication Production

The course continues to expose students to the in-depth study of electronic publication issues, specifically with design and layout for newspapers, annual reports and other multiple-page publications. The course covers issues related to prepares, separations, advanced topography and paper selection.

Prerequisites: COMM 235^D or COMM 232^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 335 - Digital Animation

An exploration of the aesthetic and technical production of animated and interactive assets for a variety of media applications. Course topics include development of raster and vector graphic elements and design and production of both simple and interactive animation for a variety of applications and disciplines.

Prerequisites: (COMM 235^D or COMM 201^D) and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 336 - Media Relations and Crisis Communication

This course focuses on two key areas of public relations and crisis communication. During the first half of the semester, this course will explore how the news media works and how PR practitioners establish and maintain positive relationships with the news media. This course will explain the role of the news media in message dissemination and how to effectively work with reporters. During the second half of the semester, students will build on their media relations knowledge and explore issues and crisis management - before, during and after a crisis. Students will learn common crisis response strategies to address many organizational audiences through well-known case studies. Emphasis will be placed on practical application of crisis communication theory.

Prerequisite: COMM 231^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment limited to students in the Haverlack College of Business college.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 342 - Sports Journalism

Discussion of ethics and responsible sports journalism, sports information and public relations interview techniques, broadcast sports journalism. Guest lecturers in sports information, public relations, and broadcast journalism may speak on relevant topics.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 343 - Feature Journalism

Course will focus on writing feature articles for newspapers and magazines.

Prerequisite: COMM 242^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 347 - New-Media Journalism

An examination of new-media forms and the effects of new digital media on media industries and the practice of journalism. The course will examine the differences between traditional and new media journalism in theory and in practice and explore online writing techniques and the impact of social networking sites on the practice of journalism.

Prerequisites: (COMM 242^D or COMM 248^D or COMM 256^D) and COMM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 350 - Editing for Video

This course provides students with the opportunity to expand their knowledge of video editing. Special attention is given to expanding skill sets associated with digital non-linear editing.

Prerequisite: COMM 254^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 352 - Digital Radio Production

This course introduces students to the business and production of digital radio broadcasting, including broadcast technology, producing, directing, writing, and performance for radio. Students gain experience in studio and control room operation and production roles.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 354 - Multi-Camera Studio Production

The course covers the process and technique of multi-camera video production. Students gain experience in studio and control room operation and production roles. The course trains students to integrate video packages produced in the field for presentation in a multi-camera studio broadcast.

Prerequisites: (COMM 242^D or COMM 256^D) and COMM 254^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 355 - Video Field Production

This course teaches students advanced techniques and processes of field production and editing. Students will learn technical and creative principles for controlling video production elements outside of the studio in a variety of contexts including news, commercial, and documentary video through both traditional and digital modes of planning, capture and editing video.

Prerequisites: (COMM 242^D or COMM 256^D) and COMM 254^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 359 - Interactive Multimedia 3

This course provides students the ability to move beyond the traditional models of information distribution using image, sound, motion and text. The course introduces the fundamentals of communicating through digital interfaces with an audience. Topics include digital imaging, creating effective interactive projects, models of information structure, analysis of design problems and distribution models. Theories of communication, learning, human-centered design and project evaluation are discussed.

Prerequisite: COMM 258^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 360 - Corporate Media

The application of adult training theories, communication theories, and production skills in the planning, design, and implementation of media in the corporate and institutional setting, with emphasis on media management and the use of media in training and development.

Prerequisites: (COMM 235^D or COMM 232^D) and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 364 - Strategic Brand Communication

This course provides insights on developing strategic brand communication strategies. This course offers essential concepts, frameworks, theories, practices, and skills required to create and manage strategic brand communications.

Prerequisites: COMM 231^D or (MRKT 330^D or MKTG 330^D)

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

Enrollment limited to students in the Haverlack College of Business college.

COMM 365 - Sports and Esports Production

The course prepares students to broadcast sports and esports events and news. Topics covered include media production, play-by-play announcing, studio sportscasts, field reporting, pre-game and post-game analysis, social media integration, streaming, and content creation for live sports broadcasts.

Credits: 3

COMM 370 - Health Communication Cases and Strategies

This course further develops students' strategic competencies in the area of health communication through the investigation of case studies and campaign design. Students will analyze proactive and responsive communication strategies; messaging techniques and audience segmentation; multimedia and multiplatform tactics; and media relations and crisis response. Students will utilize qualitative and quantitative research techniques to drive messaging and strategy in the creation of integrated health communication campaigns.

Prerequisite: COMM 270^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1, Senior 2 or Sophomore 2.

Enrollment limited to students in the Haverlack College of Business college.

COMM 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 401 - Digital Imaging

This course continues to expose students in the use, manipulation and creation of digital images through hands-on experience with market specific imaging software. Course topics include visual aesthetics, image composition, vector graphics, typography, image scalability and file formatting.

Prerequisites: COMM 235^C or COMM 201^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 405 - Global Media

An examination of different regions of the world and their media systems. The course will explore how politics, economics and culture play a role in shaping global media structures. Both historical and contemporary perspectives on the topic are addressed, particularly as they relate to issues of democracy, cultural autonomy, political rights, social justice, media systems of different world regions, global representations in U.S. media, new technologies and developments in global technology and economic media developments.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 407 - Social Media Network Analytics

COMM 407 examines the core concepts of social media networks and the process of collecting, analyzing, measuring, and visualizing data for organizations and businesses. The course emphasizes understanding the role of theories in social media analytics and the tools that help collect and analyze social media data and prepare reports. Students learn and work on data analytics software in this advanced-level course for their assignments and projects.

Prerequisite: COMM 307^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

COMM 410 - Communication Law

Discussion of topics related to the field of mass communication (freedom of the press, libel, invasion of privacy, copyright, obscenity, regulations, ethics, and responsibility of the communicator and the agency).

Credits: 3

Term(s) Typically Offered: Offered Every Term

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

COMM 413 - Communication Theory

A study of the significant theories of human communication that help to explain and predict the role of communication in determining the social, cultural, and political behavior of the community.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 415 - Persuasion

This course will familiarize students with the processes of persuasion, the relationship of persuasion to other forms of human communication, methods for studying persuasion, the theories of persuasion and ethical concerns about persuasion. The perspectives and tools developed in this course should enable the student to develop effective message strategies in work and personal situations.

Prerequisites: COMM 110^D and COMM 200^D and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 419 - Propaganda

The purpose of this course is to enhance the critical thinking and analytical skills of students to make them better able to cope intellectually with public argument in a world where sound-bites and terrorism in its many forms rule the day. This course addresses the ways in which various ideologies compete for global dominance by employing advocacy strategies and propaganda techniques, which are now more complex and consequential due to rapidly advancing communication technologies. By manipulating visual imagery, propagandists often exert control over the public's perception of political, social and economic realities. Historical and contemporary examples will be applied in this course. No pre-requisite.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 422 - History of Journalism

Tracing the history of American journalism from its early English European heritage to modern times. Emphasis on people, organization, and media that have helped establish the press as an American institution.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 431 - PR and IMC Campaigns Capstone

Capstone course in the PR, IMC and Health Communication concentrations. Course provides students a thorough experience in conducting public relations and integrated marketing communication campaigns and preparing communication materials. Working in teams, students prepare and conduct the research, planning, implementation and evaluation of an actual campaign for a client.

Prerequisites: (COMM 332^D or COMM 336^D or COMM 370^D) and COMM 333^C and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

COMM 434 - Advertising Production

Advanced production course which applies concepts of design, creative strategy and message development to the creation of advertising in a variety of mediums. Course focuses on development of consumer, public service and public relations advertising campaigns.

Prerequisites: COMM 235^D or COMM 232^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 441 - Issues in Journalism

An analysis and discussion of the impact of journalism on contemporary society. Among the subjects discussed will be the evolution of journalism in a digital age, ethical concerns for modern journalists, and the impact of mobile technology on the practice of journalism.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 448 - Advanced Media Writing and Reporting

Instruction in media writing and reporting techniques beyond the basic news story, focused on detailed, in-depth news-writing and news-gathering practices, including use of human and documentary sources. Students will produce stories in short-form and long-form reporting structures, reflecting contemporary media ethics and news values.

Prerequisites: COMM 242^D and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 449 - Communication Projects

This course provides students an opportunity to investigate in-depth, approved topics in applied communication.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 450 - Internship

Supervised placement or research in selected private or public agencies.

Prerequisite: COMM 310^D

^D Requires minimum grade of D.

Credits: 1-12

Term(s) Typically Offered: Offered Every Term

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

COMM 452 - Podcasting

This hands-on course offers students practical experience in podcast creation. Students will develop foundational podcast production skills, such as scripting, voicing, interview preparation, and recording. The course also covers strategies for publishing, promotion, audience measurement, and addressing legal considerations. By the end of the course, students will be prepared to produce, publish, and promote their own professional-grade podcasts.

Prerequisite: COMM 205^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Comm, Media and Sport Mgmt.

COMM 453 - Media Project Management

This course is intended to develop student mastery of the emerging environment of digital information through a project-based, team-based course. The course focuses on issues of team work, project management, strategy development and communication both inside and outside of the team. Other topics include budgeting, development of human capital, leadership, time management and legal issues.

Prerequisites: COMM 258^D and (COMM 307^D or COMM 347^D) and (COMM 359^D or COMM 401^D) and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 454 - Live Broadcast Production

This course will teach students visual aesthetic principles and technical skills required to produce live programming and graphics for broadcast. Course topics include objective development, composition, element layering, branding, and advanced multi-camera studio and field production.

Prerequisites: (COMM 235^D or COMM 201^D) and COMM 350^D and COMM 354^D and COMM 110^C

^D Requires minimum grade of D.

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 455 - History of Broadcasting

A focus on the history and development of radio and television broadcasting in the United States. Students will watch and listen to historical broadcasts and discuss the evolution of entertainment and news programming from the beginning of the 20th century through today.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 458 - Media Criticism

A critical examination of film, television, and radio. The course focuses on the formation and application of standards for appraising media and their messages.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 459 - Issues in Communication Technologies

An exploration of current and emerging communication technologies including their development and regulation, as well as the social, individual and ethical impact of these technologies.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 464 - Advertising Campaigns Capstone

This course is a capstone course in the Advertising program. Students will demonstrate how the knowledge and skills learned in their program can be applied directly to designing and developing creative advertising campaigns. Students will be responsible for conducting research, strategic planning, writing creative briefs, planning and preparation of advertising copy and design, and campaign evaluation.

Prerequisites: COMM 228^D and COMM 235^D and COMM 310^D and COMM 434^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Senior 1 or Senior 2.

Enrollment is limited to students with a program in Advertising.

COMM 480 - The Communication Age

Presentation and discussion of the influences, trends, and issues that permeate the evolution toward a 'Communication Age'. Major issues and influences are examined, including significant technological developments and solutions that have been applied to communication needs and opportunities. Discussion addresses marketplace forces; humanistic, social, personal, and ethical issues; and the impact on organizations, workplace, home, education, government, and international functions. Major attention is given to the role of the impact on the individual amidst these far-reaching changes.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Institutions & Human Innovations, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

COMM 497 - Senior Capstone Seminar

The seminar is designed to assist students develop career awareness and proficiency in career/job search skills relevant to obtaining an entry-level position in a communication-related field, or to obtain entry to graduate study. Students enrolled will participate in career development activities, including portfolio development, job seminars, establishing credential files, participating in mock and actual interviews, on-site mentoring/shadow program and public presentation of their portfolio.

Prerequisite: COMM 110^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2, Junior 1, Junior 2, Sophomore 1 or Sophomore 2 may **not** enroll.

Enrollment is limited to students with a program in Comm-Graphic Design(Art Major), Strategic Communication&Media, Strategic Communication&Media, Strategic Communication&Media or CERT - Global & Intercult Comm.

COMM 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Prerequisite: COMM 110^C

^C Requires minimum grade of C.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Theatre (THEA)

THEA 130 - Art of Theatre

This course will use elements of theatre - acting, playwriting, directing, producing, design and technology – to illustrate how the arts connect to the culture and community in which they exist. Historical trends and the role of the arts in society will be a focus. This course is designed to guide students toward a lifelong curiosity about the arts. A lecture course; no performance skills required. Studying and experiencing the arts, including dance, music, theatre, and the visual arts, develops creative and aesthetic abilities. The arts introduce students not only to artists and their creations, but also to history, cultures, values, technique, imagination, creativity, and issues relevant to society. Students will gain an understanding of the creative process and how to analyze and interpret message and meaning in works of art. While the arts can bring us pleasure, they can also serve to enlighten and illuminate critical issues, lead to personal discoveries, and foster innovation in all fields. Students will learn to think critically about the arts, develop an appreciation for artistic creations, and by viewing live performances and exhibitions, become engaged audience members. Arts inquiry courses use and develop the analytic and interpretive modes of inquiry needed to understand and explore both tangible and abstract artistic works and the cultures in which they exist. In arts inquiry courses, students confront a variety of cultural and artistic expressions in order to gain an understanding of the human condition, and ultimately express their relationship to artistic work, meaning, and the creative process. Attendance at arts events will be required during this course and may require a fee.

Credits: 3

Term(s) Typically Offered: Offered Every Term

THEA 131 - Fundamentals of Acting

An introduction to the theory and practice of acting.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

THEA 132 - Stagecraft

Fundamentals of modern set construction, stage lighting, properties, and costume practice. Students assist with current productions in laboratory sessions.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

THEA 133 - Acting I

An immersion in the various theories, techniques and practices that have informed realistic acting in the 20th and 21st Centuries. Acting I serves as the curricular foundation for Bachelor of Fine Arts students who intend to pursue careers as professional performers.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Acting.

THEA 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

THEA 142 - Wellness for the Actor

Wellness for the Actor is a foundation course that establishes a sustainable wellness practice in support of advanced training in voice, movement and acting. Components of the course will include physical conditioning, meditation, breathwork, emotional wellness, and personal nutrition.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Theatre or Acting.

Enrollment limited to students with department of Theatre.

THEA 145 - Musicianship for Musical Theatre I

This course focuses on the development of vocal performance techniques through training in aural and sight-singing skills including solfege, rhythmic notation, ear training, tempo, meter and dictation. Students will expand their understanding of harmonic progression, body alignment, muscle memory, and technical accuracy. Basic piano skills will also be covered.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Musical Theatre.

THEA 146 - Class Voice For Musical Theatre

This course focuses on musical theatre singing technique, skills, and styles for entry-level performers. In addition, the course is designed to familiarize students with industry practices in the field of professional musical theatre performance. Students become familiar with basic concepts of voice production as well as developing an understanding and awareness of vocal health issues. Additionally, students are exposed to a variety of popular musical theatre repertory while they are encouraged to develop perceptive listening skills by interacting and responding to their peers in class.

Credits: 2

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Musical Theatre.

THEA 147 - Musicianship for Musical Theatre II

This course is a continuation of THEA 145 Musicianship Skills I and furthers the development of fluency in music reading, sight singing, rhythm reading, and keyboard skills. This course will focus on applying these skills to the working life of a professional musical theater performer, especially in the areas of sight reading and ensemble singing.

Prerequisite: THEA 145^C

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment is limited to students with a program in Musical Theatre.

THEA 151 - Rehearsal and Production

Supervised experience in theatre performance and stagecraft by acting or crew participation in one Department of Theatre production. Prospective actors will have to participate in a competitive audition. May be repeated for a maximum of 12 credits.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

THEA 159 - Introduction to Theatre Arts Management

This course covers the basic principles, theories, concepts, processes, and practices relating to organizations in the arts industry, with a focus on the theatre industry. Topics include the structure of arts industries, organizational structures, leadership, staffing, volunteerism, fund raising, intellectual property, grants writing, advocacy, etc.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Institutions & Human Innovations, Transfer Thread Completion Course

THEA 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

THEA 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

THEA 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

THEA 215 - Drawing/Drafting/CAD

Principles and techniques used for the creation and implementation of theatrical designs. Introduction to design elements and techniques, drawing, rendering, and computer-aided drafting. Emphasis on set, costume, lighting and property designs.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

THEA 222 - Acting II

Intermediate-level course designed to continue the actor training begun in Fundamentals of Acting or Acting I. Emphasis is on realistic acting techniques.

Prerequisites: THEA 131^D or THEA 133^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

THEA 235 - Costume Technology

Basic techniques of constructing costumes for the stage, emphasizing sewing, pattern making and cutting, draping. Includes the study of fabrics, millinery, and accessories.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

THEA 246 - Private Musical Theatre Voice

Students will continue to develop musicianship, sight singing and vocal skills through individualized training designed to match their vocal range and skills.

Prerequisites: THEA 145^D and THEA 146^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered Every Term

Enrollment is limited to students with a program in Musical Theatre.

THEA 248 - Musical Theatre Song Repertoire

Musical Theatre Song Repertoire is an intermediate-level course designed to provide the musical theatre performer with a series of individually-tailored audition pieces, while also providing a thorough grounding in the historical background and stylistic demands of various musical theatre genres. Students will develop solo performance pieces drawn from various musical theatre styles, including "golden age," classical musical theatre, and contemporary musical theatre.

Prerequisites: THEA 222^D and THEA 145^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Enrollment is limited to students with a program in Musical Theatre.

THEA 254 - Musical Theatre Dance I

Musical Theatre Dance I will introduce the students to the fundamentals of dance for musical theatre performance, including jazz, tap, and hip hop. Students will learn correct alignment and techniques applicable to musical theatre genres, and apply those principles to the dance styles found within those genres.

Prerequisite: DANC 125^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Enrollment is limited to students with a program in Musical Theatre.

THEA 269 - Playwriting

An introduction to the fundamentals of playwriting, including clear storytelling, character development, scene structure and style. The particular demands of writing in a theatrical medium, as distinct from film, television or novel, will be emphasized.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

THEA 281 - Survey of Dramatic Literature I

Analysis and discussion of some of history's most celebrated works of dramatic literature, ranging from classical drama to drama of the eighteenth century. Texts will be examined within the historical context of the cultures that produced them, and in light of their respective theatrical conditions, performance styles, etc. Emphasis will also be placed on various methods of textual analysis.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

THEA 283 - Survey of Dramatic Literature II

Analysis and discussion of some of history's most celebrated works of dramatic literature, ranging from the early 18th century to the most exciting and groundbreaking contemporary drama. Texts will be examined within the historical context of the cultures that produced them, and in light of their respective theatrical conditions, performance styles, etc. Emphasis will also be placed on various methods of textual analysis.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

THEA 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

THEA 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

THEA 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

THEA 302 - Acting for Song I

Acting for Song I is an advanced level course designed to prepare students in the performance of two-person scenes across a myriad of musical theatre styles and genres. Students will synthesize the process of acting through song using various acting and singing methodologies to connect to the emotional, physical and vocal requirements in the professional production of musicals.

Prerequisite: THEA 404^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Musical Theatre.

THEA 303 - Acting III

Acting III is an advanced-level course designed to give the performer facility with the acting approach known as Meisner Technique.

Prerequisites: THEA 131^D or THEA 133^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Theatre or Acting.

THEA 304 - Acting for Song II

Acting for Song II is an advanced level course designed to prepare students in the performance of group/ensemble scenes across a myriad of musical theatre styles and genres. Students will synthesize the process of acting through song using various acting and singing methodologies to connect to the emotional, physical and vocal requirements in the professional production of musicals.

Prerequisites: THEA 302^D or THEA 244^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Musical Theatre.

THEA 310 - Acting for the Camera

Acting for Camera explores the fundamentals of on-camera acting and the differences between acting on stage and on screen. The course will focus on the theory and practice of on-camera acting craft. Through exercises and scene study, this course expands emotional range and expressiveness for the camera while focusing on the various techniques needed for the successful performance of on-camera work.

Prerequisites: (THEA 131^D or THEA 133^D) and THEA 222^D and THEA 303^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Theatre or Acting.

THEA 322 - Acting Technique

An intensive focus on one or more of the following: role preparation, scene study, physical disciplines of acting. Approach varies from offering to offering. May be taken for up to 12 total credits.

Prerequisites: THEA 222^D or THEA 303^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

THEA 324 - Stage Makeup

Theory, practice, and materials of stage make-up. Practical application is mandatory and extensive; students will analyze various characters and design makeup for them.

Prerequisites: THEA 131^D and THEA 151^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 328 - Acting Shakespeare

An advanced-level course designed to provide the student with tools for the analysis and performance of the written works of Shakespeare.

Prerequisite: THEA 222^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 329 - Shakespeare Tour

An ensemble composed of actors and technicians, selected by audition and interview, performing Shakespeare-based scripts in the community and region. May be repeated; students may earn up to 6 credits total.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

THEA 332 - Advanced Stagecraft

Advanced methods and materials of stagecraft: emphasis on furniture, metals, projected scenery, unusual rigging situations, hydraulics, computer applications, and special effects.

Prerequisite: THEA 132^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 333 - Scene Design

The principles and application of design for stage, emphasizing sketches, diagrams, drafting, and model making.

Prerequisite: THEA 215^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 334 - Stage Lighting

The theory and practice of stage lighting as practiced in modern theatre.

Prerequisite: THEA 215^D
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 335 - Costume Design and History

A survey of costume history from the ancient world to the present with an emphasis on social, political, religious, and technological conditions. The process of costume design will be explored using the principles of variety and order, character analysis, period research, and the elements of design.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Even

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 337 - Directing

The theory and practice of directing for the modern theatre.

Prerequisites: (THEA 131^D or THEA 133^D) and THEA 132^D and (THEA 281^D or THEA 283^D or THEA 215^D or THEA 222^D or THEA 303^D)
^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 339 - New Play Development

This course is designed to engage theatre artists and practitioners in the process of collaborating with a playwright on a new work, or generating a new script, and to successfully mount a production of this new work. Students participate through a collaborative process of rehearsal and design, problem-solving and experimentation. Class culminates in a public performance on campus and perhaps another local venue. Permission of instructor via audition, interview, or portfolio review. Course may be repeated for a maximum of 9 credits.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

THEA 340 - International Theatre Experience

This course is designed for actors, designers and public relations students to create, design and market a production for overseas performance. Students participate through a collaborative process of rehearsal and design, problem-solving and experimentation. Students will also have the opportunity to participate in theater activities involving international performance groups. Class culminates in a public performance both on campus and overseas. Permission of instructor via audition or portfolio review.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students in the BA 5 92 program.

THEA 342 - IPA/Dialects

A course designed to train actors in phonetics, diction and dialects. Students will learn the International Phonetic Alphabet and master its use for Standard American English stage diction, as well as a variety of national variants and foreign dialects, through both phonetic notation and performance of dramatic texts.

Prerequisites: THEA 351^D or THEA 353^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 344 - Auditioning

Students will learn techniques designed to develop skills in auditioning for theatre productions. Over the course of the semester, students will prepare a diverse repertoire of audition material, including classical and contemporary, as well as dramatic and comedic monologues. Cold readings, appearance and attire, and interview skills will also be covered.

Prerequisite: THEA 303^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Acting, Musical Theatre or Acting.

THEA 345 - Stage Management and Safety

Safe and effective production management on the modern stage. Safety education in shop, performance, and public spaces.

Prerequisite: THEA 132^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 347 - Auditioning for Musical Theatre

This class will explore personal relationships between performer and song as well as develop reading skills to learn performance readiness. Active performance and application of feedback are core to this work, as well as understanding techniques and the vocabulary of a musical theatre audition. Students will learn how to choose well-suited songs and develop an audition book comprising of different styles.

Prerequisites: THEA 304^D and THEA 303^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Musical Theatre.

THEA 348 - Pop/Rock Song Repertoire

Pop/ Rock Song Repertoire is designed to provide the musical theatre performer with a series of individually-tailored audition pieces, while also providing a thorough grounding in the historical background and stylistic demands of the various musical theatre genres. Students will develop solo performance pieces drawn from all Pop/Rock musical theatre styles.

Prerequisites: THEA 145^D and THEA 222^D and THEA 248^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Musical Theatre.

Enrollment limited to students in the College of Liberal Arts college.

THEA 349 - Theatre Festival Tour

THEA 349 Theatre Festival Tour will allow students and faculty to travel to a theatre festival with the goals of scouting the festival, attending theatre productions and participating in educational studies related to the performances, workshops and activities at the festival. Students will conduct comparative performance studies and prepare a festival guide to assist students and faculty traveling on future trips to theatre festivals.

Credits: 3

Term(s) Typically Offered: Offered Summer Terms Even

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Theatre, Acting or Theatre.

THEA 351 - Movement for the Actor

Movement for the Actor is an advanced-level course designed to facilitate and develop expressive, responsive movement in the stage performer. In addition to learning a battery of stretching and strengthening exercises, the student will explore physical character development through approaches such as Feldenkrais, "authentic movement" and Chekhov Technique.

Prerequisite: THEA 222^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment limited to students in the BA 5 92 or BFA 5390 programs.

THEA 353 - Voice for the Actor

Voice for the Actor is a study of breath and vocal work that will inform explorations to develop awareness of the voice and body and how that connects to vocal energy. This will foster breath support, range and stamina. Students will learn the basics of vocal anatomy as well as develop skills for healthy vocal usage.

Prerequisite: THEA 222^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1 or Freshman 2 may **not** enroll.

Enrollment is limited to students with a program in Theatre or Acting.

THEA 354 - Musical Theatre Dance II

Musical Theatre Dance II will continue the exploration of jazz, tap, and hip hop dance begun in Musical Theatre Dance I. This second level technique course will continue to refine the student's skills in performance and stylistic techniques.

Prerequisite: THEA 254^D

^D Requires minimum grade of D.

Credits: 2

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment limited to students with department of Theatre or Dance.

THEA 355 - Projects in Theatre

The study and performance of a major role in a Department of Theatre production, or participation in a production as a crew head with significant responsibility, or planning and execution of a study of moderate scope in the history, literature, or criticism of the theatre. May be taken for credit four times for a maximum of 6 credits. Junior standing and permission of the instructor.

Credits: 1-2

Term(s) Typically Offered: Offered Fall & Spring Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 359 - Studies in Audience Development

An advanced-level course focusing on audience development strategies for arts institutions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Even

Thematic Thread(s): Conservation, Technology & Imagination, Transfer Thread Completion Course, United States in Global Context

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 370 - Playwriting Genres and Styles

An advanced class devoted to exploring one or more of the following advanced topics: playing genres, devised theatre, documentary theatre, non-realistic writing, non-traditional structures and forms.

Prerequisite: THEA 369^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum. Permission of instructor via audition or portfolio review.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 392 - History of Musical Theatre

This survey course will explore the historical use of music in drama with a focus on the invention, development and masterworks of the American musical genre. Major genres, composers, lyricists, librettists, directors, choreographers, and performers will be discussed. The socio-historical context of various musicals will be explored through the literature of the genre.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 393 - History of Theatre Design and Architecture

A review of the history and evolution of scene, costume, lighting, prop and sound design for the theatre. Course will also examine the evolution of theatre spaces, from the outdoor theatre of the Ancient Greeks to traveling wagon stages of the medieval period to modern architectural trends. The course will examine non-western forms of theatre such as aboriginal and African theatre as well as western world theatre traditions.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms Odd

Thematic Thread(s): Cultural Literacy & Community Building, Conservation, Technology & Imagination, Transfer Thread Completion Course

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 394 - Theories of Acting and Directing

A history of the art, craft and theories of acting. Also, a historical investigation into the role of the "director" in pre-modern theatre and the evolution into its present predominant place in contemporary theatre.

Prerequisites: THEA 281^D or THEA 283^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms Odd

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 404 - Acting IV: Scene Study

Acting IV: Scene Study is an advanced-level course that builds upon the techniques and principals introduced in each of the previous Acting courses. This course focuses on the application and integration of the various acting techniques in the professional performance of scene work from plays and musicals. Focus on the development of each individual artist's toolkit of techniques is primary.

Prerequisites: (THEA 131^D or THEA 133^D) and THEA 222^D and THEA 303^D

^D Requires minimum grade of D.

Credits: 3

Term(s) Typically Offered: Offerings Vary

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Enrollment is limited to students with a program in Acting.

THEA 425 - Professional Theatre Practice

A study of the working conditions of the professional actor, designer, technician, and director in the contemporary theatre. Preparation for effective career development.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2, Sophomore 1 or Sophomore 2 may **not** enroll.

THEA 442 - Senior Showcase

This course is designed to give each graduating BFA Acting student the opportunity to prepare for and perform in a showcase as a step towards establishing their professional career. The showcase will invite theatre professionals such as agents, producers, casting directors, and directors to attend and will be presented in a major metropolitan area and on campus. The course also builds on the foundational practices of working in professional theatre. Professional headshots will be required.

Prerequisites: (THEA 131^C or THEA 133^C) and THEA 222^C and THEA 303^C and THEA 404^C and (THEA 344^C or THEA 347^C) and THEA 353^C and THEA 351^C and (THEA 328^C or THEA 244^C or THEA 302^C) and (THEA 342^C or THEA 304^C) and (THEA 322^C or THEA 348^C)

^C Requires minimum grade of C.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Enrollment limited to students in the BFA 5390 program.

Enrollment limited to students with the SPECIAL APPROVAL attribute.

THEA 446 - Musical Theatre Voice Capstone

Musical Theatre Voice Capstone is an advanced-level course that builds upon the techniques and principals studied in all previous Private voice lesson semesters. This course focuses on the application and integration of vocal techniques in the professional performance of musical theatre songs. CAPP Prerequisites: THEA 248 (Musical Theatre Song Repertoire) and THEA 146 (Class Voice) and THEA 348 (Pop/Rock Song Repertoire) and 3 credits of THEA 246 (Private Musical Theatre Voice)

Credits: 1

Term(s) Typically Offered: Offered Fall Terms

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 450 - Internship

Supervised placement in a working theatre situation off campus. Extensive and successful experience in theatre performance on campus, 2.000 GPA overall and in all theatre courses attempted, and permission of the department's curriculum committee.

Credits: 1-12

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 490 - Independent Study

A faculty-supervised project in an advanced area of theatre studies carried out independently by a qualified upper-class student. Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

THEA 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

The University

The University

Slippery Rock University of Pennsylvania, one of 10 state-owned institutions that comprise Pennsylvania's State System of Higher Education, has a long tradition of providing quality education to students. Started in 1889 as a teacher education institution, the university developed into a multi-purpose institution with approximately 8,500 students and with approximately 135 programs in the College of Business, College of Education, College of Engineering and Science, College of Health Professions and College of Liberal Arts.

Our Vision

Slippery Rock University will excel as an accessible, inclusive and engaging community, centered on student learning, positively shaping the future of the region, through the lives of our graduates.

Our Mission

Slippery Rock University offers accessible and affordable, broad-based education, through scholarly and creative endeavors, and empowering community-engagement. Educating learners at both the undergraduate and graduate levels, Slippery Rock University fosters an environment of belonging, while ensuring the economic mobility of our graduates. The university is committed to enhancing the quality of life of our learners and our region.

Our Core Values

Slippery Rock University pursues its vision and accomplishes its mission through the following set of shared values:

- **Community and Belonging** - We champion diversity, support divergent ways of thinking, and offer an inclusive experience so that our students, faculty, staff, and alumni consider SRU their 'extended family'.
- **Student-Centered** - We develop strong connections with our learners and support the development of the whole person.
- **Engagement** - We explore and create multiple ways of learning, including community, global, and workplace engagement.
- **Transformation** - We offer an intentional collection of curricular and co-curricular programs, and experiences designed to foster student learning and growth.

- **Civic-Mindedness** - We encourage students, faculty, and staff to be civically aware and socially responsible.
- **Collaboration** - We promote and expect collegiality, resourcefulness, civil discourse, and solution-driven thinking.
- **Focus on the Future** - We embrace the university's role in contributing to the prosperity of the region and the upward mobility of our graduates.
- **Stewardship** - We make all decisions in the light of our obligation to be responsible stewards of public funds.

Student Success

We value students as the center of all that we do and support a climate that celebrates each person's success. We believe that, as a public regional university, our role is to transform our students to enable them to be economically and socially mobile.

Excellence

We value excellence in teaching, research, scholarship, creative endeavors, student services and in all aspects of the University's operations to ensure institutional effectiveness and efficiency. We value excellent curricula and co-curricular experiences, together with high expectations of our students, in order to stimulate student success.

Intellectual Freedom, Integrity and Free Expression

We value and uphold the right of all in our academic community to speak and write freely. We expect all who study, teach and work within the University to uphold the highest ideals of scholarly responsibility. We value honesty, integrity, fairness, and respect in creating, debating and disseminating intellectual and creative works. As such, we believe that all perspectives deserve fair scrutiny in the marketplace of ideas in a civil, fair and thoughtful manner.

Innovation

We value the discovery and application of knowledge in teaching and learning and in developing innovative systems. We believe in offering educational programs that anticipate future needs, teach state-of-the-art competencies and use modern evidence-based pedagogies. We strive to promote and adopt productive cutting-edge curriculum, technology, structures and processes throughout the enterprise.

Diversity, Inclusion and Equity

We value a diverse campus community that enriches our students' intellectual and social growth. We strive to build and support a community that fully reflects the rich diversity of the commonwealth. We welcome all qualified individuals to SRU and will work to ensure that our enrollment, employment and advancement processes are open, unhindered and free of barriers. We seek an inclusive campus and equitable outcomes for students and employees alike. More information available here (<https://www.sru.edu/life-at-sru/diversity-equity-and-inclusion/>).

Openness, Shared Governance and Accountability (Combines Two Concepts)

We value shared decision making and promote a campus culture in which information is widely shared, broad participation is encouraged, decision making processes are clear and feedback is valued. We uphold our commitments to shared governance. We value transparency of information and process, collaboration in resolving significant issues of mutual interest and ethical decision-making. We will be publicly

accountable for the quality of our work and will seek to steward University resources effectively.

Social Responsibility

We value the importance of fostering citizenship to promote the public good, environmental sustainability, global understanding and informed civic engagement. We will leverage our intellectual and financial resources in order to educate our students and the public about sustainability, global awareness and civic responsibility and operate the University as sustainably as possible.

Accreditation

Slippery Rock University is accredited by the following accrediting agencies:

Institutional Accreditation

Middle States Commission on Higher Education (MSCHE)

Nonacademic ACCREDITATION

Accreditation Association for Ambulatory Health Care, Inc. (AAHC)

International Association of Counseling Services (IACS)

Professional Association of Therapeutic Horsemanship International (PATH INTL)

College of Engineering and Science

Accreditation Board for Engineering and Technology (ABET)

American Chemical Society (ACS)

Commission on Accreditation of Athletic Training Education (CAATE)

North American Association for Environmental Education (NAAEE)

COLLEGE OF health professions

Accreditation Council for Occupational Therapy Education (ACOTE)

Accreditation Commission on Collegiate Nursing Education (CCNE)

Accreditation Review Commission on Education for the Physician Assistant, Inc. (ARC-PA)

American Physical Therapy Association (APTA)

- Commission on Accreditation in Physical Therapy (CAPTE)

Commission on Accreditation of Allied Health Education (CAAHEP)

- Committee on Accreditation of Recreational Therapy Education (CARTE)
- Committee on Accreditation of Exercise Sciences (CoAES)

Commission on Accreditation of Athletic Training Education (CAATE)

Council on Social Work Education (CSWE)

College of Education

Council for the Accreditation of Educator Preparation (CAEP)

National Program Recognitions

- National Association for the Education of Young Children
- Council for Exceptional Children
- National Council of Teachers of English
- National Council of Teachers of Mathematics
- National Science Teachers Association
- National Council for the Social Studies

Pennsylvania Department of Education (PDE)

College of Business

Association to Advance Collegiate Schools of Business (AACSB)

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)

Commission on Sport Management Accreditation (COSMA)

College of Liberal Arts

National Association of Schools of Art and Design (NASAD)

National Association of Schools of Dance (NASD)

National Association of Schools of Music (NASM)

National Association of Schools of Theatre (NAST)

Institutional Assessment

Assessment is the process through which effective learning is planned and measured by relating degree program goals to actual student performance. We do assessment to improve student learning. The Assessment Core Committee of Slippery Rock University has been working since 1998 to help the University community develop effective assessment processes. The web site reflects the collective efforts of both academic and student life programs to articulate student-learning outcomes and to devise appropriate and effective means of measuring student achievement.

More information on assessment can be found at here (<https://www.sru.edu/offices/academic-affairs/assessment/>).

Location

Slippery Rock University's campus is located in Slippery Rock, a borough in northern Butler County, Pennsylvania, that is a safe and friendly community of approximately 3,500 residents. SRU is less than an hour's drive north of Pittsburgh, one hour south of Erie and 45 minutes east of Youngstown, Ohio. Two major interstate highways, I-79 and I-80, intersect seven miles from the University, making the campus easily accessible.

Students

Three quarters of SRU's more than 8,800 students are from western Pennsylvania, including the largest number of students hailing from Pittsburgh and other cities in Allegheny County. Another 13% of students come from central and eastern Pennsylvania. The remaining 11% are out-of-state students, as students from 43 states and 30 countries are represented among the student population.

Faculty

The approximately 453 full- and part-time faculty members at SRU are teachers, scholars and contributors to the University and community. The typical faculty member teaches four undergraduate courses each semester, engages in scholarly research and creative endeavors and

serves in a variety of decision-making roles. Of the current full-time tenured or tenure-track faculty, 48% are male and 52% are female and 19% are members of minority racial and ethnic groups. In addition, 91% of all full-time faculty are tenured or occupy tenure-track positions, and 94% of full-time tenured or tenure-track faculty have earned a doctoral or other terminal degree.

Campus

SRU's gorgeous 660-acre campus is located in the rolling countryside of western Pennsylvania. More than 30 major buildings and 64 total facilities, which blend traditional and modern architecture, contributes to an optimal living and learning environment.

Bailey Library supports the University's mission by developing collections and services that make the library integral to the learning process, both within and beyond the classroom. SRU has completed a multiphased renovation of the library to better serve the needs of the 21st century student. Services and resources include, but are not limited to, personal librarians; holdings which include print and electronic books, government documents, print and electronic journals, newspapers, DVDs, audio books, archival records and special collections; group and individual learning spaces for scholarly work and recreational reading; interlibrary loan and document delivery services; the Technology Learning Center; the Instructional Materials Center; and University Archives and Special Collections Room.

Other facilities include Swope Music Hall, designed as both a performing and learning center; Vincent Science Center, with laboratories, classrooms and a greenhouse; and Morrow Field House, an instructional and recreational facility that houses a gymnasium, swimming pool, handball court, dance studio, tennis court and track. McKay Education, Spotts World Cultures and Eisenberg Classroom buildings are examples of standard educational facilities that have small and large classrooms, auditoria and other specialized classrooms.

Buildings erected since 2001 include the School of Physical Therapy Building and the Advanced Technology and Science Hall, which houses the Computer Science; Chemistry; and Geography, Geology and the Environment departments. Recent renovations include the Strain Safety Building, which underwent a \$6.5-million upgrade in 2018 and the Performing Arts Complex which underwent a \$29.2-million renovation and reopened in 2021. The University opened the Harrisville Building in 2016 in nearby Harrisville, Pennsylvania, to house the physician assistant and occupational therapy programs.

Students reside in eight on-campus residence halls: six newer buildings housing students on the lower end of campus and two traditional halls located on the upper end of campus. Additionally, upperclass students can reside at the ROCK Apartments, an eight-building complex with 188 beds. Privately owned residence halls, apartments and other types of living accommodations are available off-campus.

There are two dining halls, Boozel and Weisenfluh, as well as dining options including Starbucks and Quaker Steak and Lube inside the 107,000-square-foot Smith Student Center. That building also houses a ballroom, theater, book store, conference rooms, a bank branch and other offices and amenities.

Campus Resources and Services

For information about resources and services at Slippery Rock University, please visit the Campus Resources and Services page (p. 1155).

Admission

Students are admitted to Slippery Rock University of Pennsylvania for the fall semester, winter term, spring semester, or a summer term. The university calendar should be consulted for specific starting dates. Applicants are considered for admission on a rolling basis. Criteria and deadlines used to determine admission to the university are defined by an applicant's admission category. Admission to the university may be subject to space availability and criteria used for admission to the university are subject to change.

- First-year Applicants (p. 1152)
- Transfer Students (p. 1153)
- Post-Baccalaureate Students (p. 1153)
- Non-Degree Student Admission (p. 1153)
- Transient Students (p. 1154)
- Visiting Students (p. 1154)
- Faxed Transcripts/Documents (p. 1154)
- Student Right-to-Know and the Clery Act (p. 1154)
- International Students (p. 1155)

First-Year Applicants

First-Year Applicants

Any high school graduate (or anyone who will be a high school graduate prior to attendance) or anyone who has passed the General Educational Development test (GED) who has not yet enrolled at a college, university, or other post secondary educational institution and intends to enroll at Slippery Rock University to pursue a degree granting program shall apply for admission as a new first-year student. Students who enroll in dual-enrollment college credit programs prior to high school graduation are still considered new first-year students.

Admission Guidelines for New First-Year Students

New first-year students are admitted to Slippery Rock University on a rolling basis for all terms. Admission criteria used to evaluate an applicant usually include the student's previous academic record. Slippery Rock University adopted a test-optional admissions policy for new students entering Fall 2021 and beyond. Admission guidelines are based upon the academic profiles of previously successful students. First-time, full-time students (new first-year students) who succeed most often at Slippery Rock possess a cumulative grade point average of 3.0 on a 4.0 scale in high school at the time of admission. Other students who apply may be asked to supply additional information and may be considered for admission on an individual basis using a Waitlist process. Additional admission criteria for applicants on the Waitlist may include: high school course rigor, grade trends, grades in core college preparatory courses and class rank (if available). Waitlisted applicants are offered admission on a rolling, space available basis and applicants closest to the academic guidelines are offered admission most frequently.

Slippery Rock University recommends that entering first-year students complete a college preparatory curriculum in high school consisting of four years of English; three years of social studies (with a fourth year recommended); three years of science with two years laboratory science; three years of mathematics (with a fourth year recommended, including algebra one, algebra two and geometry). Two years of a foreign language in the same language is preferred but not required.

How to Apply for Admission as a New First-Year Student

Applicants need to supply the following credentials to apply for admission:

- A completed Application for Admission (admission applications are available through the Office of Undergraduate Admissions and via the web at www.sru.edu (<http://www.sru.edu>))
- A \$ 30.00 application fee (non-refundable) or fee waiver documentation
- Official high school transcripts or GED, and senior year (12th Grade) class schedule if enrolled in high school

Official transcripts are those that either 1) are sent directly from the school to Slippery Rock University's Office of Undergraduate Admissions, or 2) are delivered to Slippery Rock University's Office of Undergraduate Admissions in a sealed envelope from the school. No other transcripts will be considered official. Transcripts should reflect all grades up through the end of the junior year (six completed semesters). Final official high school transcripts documenting graduation from high school will be required upon graduation prior to the start of the initial semester of enrollment. Failure to document high school graduation will result in the revocation of admission.

Slippery Rock University recommends that official transcripts include a student's complete curricular and grading history, semester and cumulative grade/quality point averages (both weighted and un-weighted if weighting is practiced), and class rank if calculated. If the high school uses a percentage grading scale, any conversion guide to a 4.0 scale is also recommended. Home schooled students should supply transcripts of home school curriculum as well as any previous high school transcripts if applicable.

If an applicant is submitting a GED rather than a high school diploma, the GED documentation must be a copy of the diploma and include the official test results.

Credentials should be directed to the Office of Undergraduate Admissions at Slippery Rock University. Once all credentials are received, Slippery Rock University admits new first-year students on a rolling basis for all terms. Applicants who are offered admission must reply to Slippery Rock University to accept their offers of admission, along with submitting a required enrollment deposit, before they are considered matriculated. Admission offers not acted upon by making an enrollment deposit, are subject to rescission after May 1 of the students senior year of high school. New first-year students seeking admission for the fall semester are encouraged to apply early in the preceding fall prior to enrollment.

First-year admission is valid for the term it is offered, or any subsequent term for not later than one academic year, as long as a student does not enroll in college courses at another college/university. Students who enroll in college courses elsewhere must reapply for admission as a transfer student for the semester they wish to enroll in. Students wishing to defer admission should contact the Office of Undergraduate Admissions.

First-Year Residence Requirement

All new first-year students are required to live on campus. First-year students living with their parents or legal guardian within a reasonable commuting distance may request a release from this requirement in order to commute from home. The Residence Life Housing Appeals Board will review all written requests for this exception.

Transfer Students

TRANSFER POLICIES AND CREDIT EVALUATION

To learn more about the transfer process at SRU, please visit the Transfer Admissions Website (<https://www.sru.edu/admissions/transfer-and-military-admissions/transfer-credit-evaluation/>).

Post-Baccalaureate Students

Students who have earned a baccalaureate or higher degree from an approved institution may qualify for admission to earn additional undergraduate credit beyond their degree (see same title in College of Education).

Students interested in post-baccalaureate study may take course work for self-enrichment, may earn a second degree, a letter of completion or an academic certificate. Students pursuing an additional degree must earn a minimum of 30 credits at SRU beyond their first baccalaureate degree and meet all department requirements for the degree.

Post-baccalaureate students may not enroll at SRU to add a second major, minor, or other academic credentials to their undergraduate degree without meeting all requirements for a second degree.

Post-baccalaureate students interested in learning more about curriculum and degree requirements should contact the related academic department at the university. Questions regarding the actual application process should be directed to Transfer Admissions.

Admission Guidelines for Post-Baccalaureate Students Seeking a Second Degree or Teacher Certification

A baccalaureate degree awarded from a regionally accredited institution of higher education is required. Certain programs, such as teacher certification and nursing programs, may require applicants to meet additional or more stringent admission criteria, including minimum Grade Point Average requirements. Interested applicants should contact those college or department offices for admission guideline information prior to applying for admission. Post-Baccalaureate students seeking to earn a second degree and/or teacher certification may be eligible for financial aid, and should contact the Financial Aid Office for further information.

How to Apply for Admission as a Post Baccalaureate Student Seeking a Second Degree or Teacher Certification

The application process for the various categories of post-baccalaureate study varies. For additional information regarding the appropriate application process, refer to the Post-Baccalaureate Students link (<http://www.sru.edu/admissions/other-admissions/post-baccalaureate-students/>) on the admission page.

Non-Degree Student Admission

A non-degree student is a student who does not possess a baccalaureate degree and wishes to enroll for undergraduate level credit coursework at Slippery Rock University for enrichment and does not intend to use the course work toward a degree program at an institution of higher education. Non-degree admission is valid for one semester at a time.

Students who wish to enroll as non-degree students may reapply for admission for subsequent terms until a maximum of 30 semester hours have been completed, at which time further enrollment is precluded in the non-degree status. Non-degree students are not eligible for financial aid.

Admission Guidelines for Non-Degree Student Admission

A non-degree student must be a high school graduate or have a GED to enroll. Non-degree student applicants sign a statement on the application for admission to that extent and have one semester of attendance to supply proof of high school graduation (generally either a high school transcript or GED). The Slippery Rock University Fast Track Program also offers admission as non-degree students to qualified high school students seeking to enroll at the University prior to high school graduation. Students interested in the Fast Track program should contact the Office of Undergraduate Admissions directly for more information.

How to apply for Admission as a Non-Degree Student

Applicants need to supply the following credentials to apply for admission:

- A completed Non-Degree Application for Admission
- Non-Degree student applicants do not pay an application fee
- Unofficial high school transcripts with a graduation date posted (or GED) are required during the term of enrollment. Other credentials may be appropriate for special Slippery Rock University programs. Other transcripts may be required to meet specific course prerequisites.

Non-degree students must enroll and make payment by registration and fee payment deadlines as published in the class schedule for the term in which they wish to enroll.

Transient Students

Any current undergraduate student from another regionally accredited institution of higher education who wishes to enroll for one semester at Slippery Rock University for credit course work while pursuing a degree program at their home college or university may apply for admission as a transient student. Transient students enroll for one term at Slippery Rock with the intent of returning to their home institution to pursue their degree. Only credits, not grades, return to the home institution. If you are attending one of the PASSHE institutions, and wish to transfer grades and credits back to the home institution, you should apply as Visiting Student status.

How to Apply for Admission as a Transient Student

To apply for Transient Student admission, complete the online application and submit a copy (unofficial or official) of the transcript from the most recently attended college or university to the Office of Undergraduate Admissions; no application fee required.

Transient students must enroll and make payment by registration and fee payment deadlines as published in the Class Schedule for the term in which they wish to enroll.

Transient students are admitted through the Office of Undergraduate Admissions for all enrollment terms.

Visiting Students

Any current undergraduate student from one of the other 9 member universities of the Pennsylvania State System of Higher Education who wishes to enroll for one semester at Slippery Rock University for credit course work while pursuing a degree program at their home college or university may apply for admission as a visiting student rather than a transient student. Visiting students enroll for one semester at Slippery Rock University with the intent of returning to their home institution to pursue their degree. Eligible students should contact the registrar or academic records office at their home institution to review visiting student grading policies prior to enrolling as a visiting student at Slippery Rock.

How to Apply for Admission as a Visiting Student

Applicants need to supply the following credentials to apply for admission:

- A completed Visiting Student Application (<https://www.sru.edu/Documents/academics/academic-services/academic-records/Visiting%20Student%20Application.pdf?1481048695656>) for Admission

Visiting students must enroll and make payment by registration and fee payment deadlines as published in the Class Schedule for the term in which they wish to enroll.

Visiting students are admitted and processed through the Office of Academic Records and Registration.

Faxed Transcripts/Documents

Transcripts and documents faxed to Slippery Rock University on behalf of students may be used unofficially for the purpose of initial review or for use with non-degree seeking student applicants. No final decision will be made pertaining to acceptance to the university or acceptance of transfer credit until the university receives the official transcripts. Faxed copies of GED certificates and Green Cards are acceptable.

Note: All credentials submitted to Slippery Rock University become the property of Slippery Rock University and will not be returned to the student or forwarded to third parties.

Student Right-To-Know and the Clery Act

Notification of Availability of Student Consumer Information including:

- Clery Act
- Annual Security Report
- Freshman and scholarship athlete graduation rates
- Students' Rights of Privacy (FERPA)
- Student Financial Assistance
- Costs of Attending SRU
- Facilities

- Health and Safety Information
- Other information of importance to students

Slippery Rock University's Annual Security Report includes statistics for the previous three years concerning reported crimes that occurred on campus, in certain off-campus buildings or property owned or controlled by Slippery Rock University; and on public property within, or immediately adjacent to and accessible from the campus. The report also includes institutional policies concerning campus security, such as policies concerning alcohol and drug use, crime prevention, the reporting of crimes, sexual assault, and other matters.

View the Annual Security Report (<http://www.sru.edu/life-at-sru/safety/university-police/annual-security-report/>) or contact the Office of University Police at 724-738-3333.

View the Student Consumer Website (<https://www.sru.edu/students/student-consumer-information/>) or contact the Office of Academic Records and Registration at 724-738-2010.

International Students

Slippery Rock University actively recruits international students from all over the world. Whether you are a first-time student, transferring, seeking a second bachelor's degree, exchange, or non-degree visiting student, the information that you'll want to consider and the tools that you need for the admission process can be found on the International Admissions Website (<https://www.sru.edu/admissions/international-admissions/>).

The deadline for submission of all application and supporting credentials is May 1 for fall admission and October 1 for spring admission. All applicants are considered automatically for financial aid.

For further information, please contact international.admissions@sru.edu

Financial Aid and Scholarships

Office: Campus Success Center

Phone: 724-738-2044

Email: financial.aid@sru.edu

The Office of Financial Aid is responsible for the coordination of sources of financial assistance for undergraduate and graduate students at Slippery Rock University. The majority of financial aid offered through the Office of Financial Aid is based on the overall financial need of applicants. State, federal and institutional financial aid sources are coordinated through this office. The Office of Financial Aid also provides information about scholarship opportunities. A detailed listing of aid programs is available at The Office of Financial Aid (<http://www.sru.edu/admissions/financial-aid/>).

Tuition, Fees, & Financial Policies

The Office of Student Accounts is responsible for tuition assessment, invoicing of charges, accepting payments, disbursing aid released from Financial Aid, and collections management.

Information on tuition and fees may be found online at the **Office of Student Accounts**.

By accepting admission to Slippery Rock University, the student agrees to pay the fees and charges assessed by the university. Tuition, fees and other charges are subject to change at any time. Students cannot enroll in classes, receive transcripts of coursework taken while at the

university, or graduate from the university unless all fees are paid. Past due account balances are submitted to the Attorney General's office for collection. If any account is submitted to a collection agency to assist in collecting the account, the student is responsible for any/all collection costs associated with this account. Payment of fees can be made in a variety of ways either in full or through installment payment plans (fee involved).

Details regarding the student's acknowledgement of responsibility and terms and conditions are available in the **Financial Terms and Conditions Agreement** (<https://www.sru.edu/documents/offices/accounting-services/student-accounts/StudentTermsandConditions.pdf>).

Campus Resources and Services

The university contributes to the development of the whole person by improving students' abilities to successfully manage challenges and by creating an environment in which students are likely to thrive, so that they are retained and graduate. The departments listed below exist to enhance the student experience and provide support for student success.

- Academic Honor Societies and Professional Organizations (p. 1156)
- Athletics (p. 1156)
- Bailey Library (p. 1156)
- Campus Recreation (p. 1156)
- Career Education and Development (p. 1156)
- Dean of Students Office, Accessibility/Disability Services (p. 1157)
- Dining Services (p. 1157)
- Diversity, Equity, Inclusion, and Belonging (DEIB) (p. 1158)
- Exploratory Studies and Academic Progress (ESAP) (p. 1158)
- Global Engagement (p. 1161)
- Grants and Sponsored Research (p. 1161)
- Honors College (p. 1161)
- Housing and Residence Life (p. 1162)
- ID Office (p. 1163)
- Inclusive Excellence (p. 1163)
- Musical Organizations (p. 1163)
- Off-Campus Housing (p. 1164)
- Parking Office (p. 1164)
- Preschool Child Care Center (p. 1164)
- President's Commissions (p. 1164)
- Pride Center (p. 1164)
- Publications (p. 1164)
- Radio and Television (p. 1164)
- REACH Experiential & Adventure Education Program (p. 1165)
- Special Recognition of Academic Achievement (p. 1165)
- Student Center and Conference Services (p. 1165)
- Student Conduct (p. 1165)
- Student Counseling Center (p. 1165)
- Student Engagement and Leadership (p. 1166)
- Student Health Services (p. 1166)
- Student Support (p. 1166)
- Success Coaching (p. 1166)
- Theatre Productions (p. 1166)
- University Advancement - Alumni Engagement (p. 1167)
- University Police (p. 1167)

- Veteran's Services (p. 1167)
- Women's Center (p. 1167)

Academic Honor Societies and Professional Organizations

Slippery Rock University offers a number of **academic and professional honor societies** (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsru.campuslabs.com%2Fengage%2Forganizations%3Fbranches%3D238143%26categories%3D12980&data=05%7C01%7Cchristine.agostino%40sru.edu%7C05a7156668634324ee8b08db410ea6f2%7C86555dba073b4ff7b7d1b73a77c5bd92%7C0%7C0%7C638175303432530500%7CUnknown%7CTWFPbGZsb3d8eyJWljoimC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6Ik1haWw%3D%7C3000%7C%7C&sdata=o58Sr4IE7Gc4j4p7q1kpHFSQY10ihLXe1EzUfInfQ5U%3D&reserved=0>) that recognize students who excel academically, or as leaders, within specific disciplines. Honor society membership provides an opportunity to interact with other students with similar academic and professional interests, as well as a co-curricular experience to enhance professional development. You can visit **CORE** (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsru.campuslabs.com%2Fengage%2F&data=05%7C01%7Cchristine.agostino%40sru.edu%7C05a7156668634324ee8b08db410ea6f2%7C86555dba073b4ff7b7d1b73a77c5bd92%7C0%7C0%7C638175303432530500%7CUnknown%7CTWFPbGZsb3d8eyJWljoimC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTil6Ik1haWw%3D%7C3000%7C%7C&sdata=CYSbASjLGP%2FpPb%2BoRTU1LrOY5v9F%2B8GoXREUUCvYoQA%3D&reserved=0>) to view a listing of all the university recognized clubs and organizations at SRU. For more information contact the Office for Student Engagement and Leadership at 724-738-2092 or leadership@sru.edu. Slippery Rock University offers a number of academic and professional honor societies (<https://www.sru.edu/life-at-sru/student-activities/clubs-and-organizations/honor-societies/>) that recognize students who excel academically, or in their leadership, within specific disciplines. Honor society membership provides opportunity to interact with other students with similar academic and professional interests, as well as a co-curricular experience to enhance professional development. Log into **CORE** (<http://sru.edu/core/>) to view a listing of SRU's active honor societies and professional organizations (<https://sru.campuslabs.com/engage/organizations/?branches=238143&categories=12980>). For more information contact the Office for Student Engagement and Leadership at 724-738-2092 or leadership@sru.edu.

Athletics

For information about the intercollegiate Athletics programs at SRU, please visit the Athletics Website (<https://rockathletics.com/>).

Bailey Library

Bailey Library supports the mission of Slippery Rock University by developing collections and services that make the Library integral to the learning process, both within and beyond the classroom. The University has completed a multi-phased renovation of Bailey Library to enhance the facility and better serve the needs of the 21st century academic student.

Services and resources include (but are not limited to):

- Personal Librarians
- Holdings which include print and electronic books, government documents, print and electronic journals, newspapers, DVDs, audio books, archival records and special collections
- Group and individual learning spaces for scholarly work and recreational reading
- Interlibrary loan and document delivery services
- The Technology Learning Center (TLC)
- The Instructional Materials Center (IMC)
- University Archives and Special Collections Room

For specific details and information, visit the Bailey Library website at <http://www.sru.edu/academics/bailey-library> (<http://www.sru.edu/academics/bailey-library/>).

Library hours of operation are posted on the Bailey Library web page (<https://www.sru.edu/academics/bailey-library/library-hours/>).

Bailey Library Faculty provide university faculty and students with research and references services for all courses and subjects in the Academic Catalog. Information on how to contact them may be found on the library website, or via Bailey Library's Ask A Librarian portal: <http://sru.libguides.com/aalportal> (<http://sru.libguides.com/aalportal/>).

Bailey Library Contact Information

724-738-2058 (Main office)

Campus Recreation

Campus Recreation facilities include the Aebersold Student Recreation Center (ARC), McFarland Outdoor Recreation Complex (MAC), Ski Lodge, Disc Golf Course, Campground, High Rope and Low Rope Courses. The ARC has a fitness center, 5 gymnasiums, indoor track, indoor climbing wall, swimming pool, group fitness studios, and pool patio. The MAC has 4 multi-purpose fields, 2 softball fields, and exterior lightning. The ski lodge has seating for 100 people and inside and outside fire pits. The campground has 5 sites with picnic tables and fire rings. These facilities are used for informal recreation and structured programming. Some of the major programs offered are personal training, group fitness, outdoor adventures, aquatics, intramurals, sport clubs, and REACH programming (high rope and low rope elements). For more information, please visit the Campus Recreation Website (<https://www.sru.edu/life-at-sru/health-and-wellness/campus-recreation/>).

Career Education and Development

108 Bailey Library
724-738-2028

Director
John Rindy

Associate Director
Jesse DeFazio

Career and Life Design Coach
Grace Bennett

Clerical Assistant

Rachel Patterson

The Office of Career Education and Development encourages a four-year career development continuum so that students are developing professionally in their employment documents, their transferable skills, and their work related learning experiences, while they develop academically in the classroom. Ultimately, career staff members engage students in building their level of professionalism and self-knowledge, guiding them on a pathway to a meaningful and joy filled career. Basic services include major and career exploration, resumes, cover letters, interview preparation, graduate school applications, and professional network development. Extended support is available on topics such as personal budgets, understanding benefits, negotiating salary, relocating to a new area and understanding employment contracts. The career office also oversees the McKay Testing Center, a computer-based testing center which administers exams such as Praxis, MAT, and the GRE Subject tests. The career office provides access for all students to the Handshake career management system. Through Handshake students can schedule career appointments, register for the many job fairs and learning events led by the career team, search for full time jobs and internships, and search for on-campus jobs (which are managed by the Office of Payroll and Student Employment). The Office of Career Education and Development Website (<http://www.sru.edu/life-at-sru/career-education-and-development/>) provides more details about services and staff.

Dean of Students Office, Accessibility/Disability Services

102 Campus Success Center
724-738-4877

Dr. Natalie Burick
Assistant Dean of Students
natalie.burick@sru.edu
724.738.4810

Kim Coffaro
Associate Director
kim.coffaro@sru.edu
724.738.4245

Ms. Jenny Senko
Assistant Director
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Mr. Zachery Brown
Assistant Director of Rock Life
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Suzanne Sandrock
Clerical Support
suzanne.sandrock@sru.edu
724.738.2988

Email
disabilityservices@sru.edu

The Office of Disability Services provides accommodations and services to ensure equal access to education as intended by Section 504 of the Rehabilitation Act of 1973, as amended, and the Americans with

Disabilities Act of 1990 (ADA) for students with disabilities including but not limited to learning, physical, hearing, vision or psychological disabilities. At Slippery Rock University we want all students to achieve academic success and are interested in making every effort to accommodate and serve students with disabilities. To be eligible for services, appropriate documentation must be provided. Documentation may include medical diagnosis, psychological evaluations, etc. Upon acceptance to Slippery Rock, students with disabilities are encouraged to make an appointment with the Director to schedule a personal interview. Also, students wishing to receive accommodations can start by filling out the public request link at:
https://sru-accommodate.symplicity.com/public_accommodation/

Dining Services

The dining program at Slippery Rock University offers a variety of services throughout the campus for students and their guests. Food service is available at locations on campus from 7:00 a.m. to 1:00 a.m. (Sunday through Thursday) and 8:00 a.m. to 10:00 p.m. (Friday and Saturday).

Weisenfluh Hall, located across from the North Hall parking lot, features The Restaurants at Weisenfluh, developed to offer the campus community and guests an innovative dining experience. Butter & Honey and Crafted by Commonplace feature a variety of pastries, sandwiches, specialty coffee drinks and smoothies. Burgers + Fries offers gourmet burgers, chicken tenders and other grill favorites. Wild Blue offers Asian cuisine and sushi. We also feature Clean Plate which offers a variety of delicious and nutritious options that are allergen friendly. Dine in or purchase food to go. The facility provides lounge and table seating, wireless environment, student gathering spaces, and meeting rooms.

Boozel Dining Hall, located on the lower end of campus, provides a variety of menu options in a restaurant-style atmosphere. Food stations with open kitchens offer made-to-order items along with home-style and international entrees, vegan/vegetarian and healthy choice options, deli and grille sandwiches, pizza and pasta, soup/salad, and a variety of desserts and beverages. True Balance provides daily menu features that avoid top allergens. This all-you-care-to-eat facility also features special events and holiday celebrations throughout the year. Boozel Express, located in the lobby of Boozel Dining Hall, offers quick-serve take-out options.

Robert M. Smith Student Center, located on lower campus, houses the following food service operations:

- Starbucks - a full-service store featuring breakfast items, pastries, sandwiches, Starbucks full beverage line, and merchandise.
- Rocky's - a food court offering Mexican cuisine, pizza/pasta, wraps, chopped salads, hoagies, and grab-n-go items.
- Quaker Steak & Lube - Western PA regional favorite, featuring their signature wings, burgers, and appetizers.

Starbucks We Proudly Serve, a coffee shop located in Bailey Library, features a selection of Starbucks beverages and various pastries and grab-n-go items. A walk-up window provides quick service for those students hurrying through the quad.

There are a number of meal plan options available to Slippery Rock University students. Students residing on-campus in either the traditional halls or residential suites are required to participate in the meal plan program with one of the designated on-campus meal plans. We also offer

a variety of optional meal plans for off-campus and commuter students such as Rock Apartment residents.

If a student is ever in need of any dietary assistance or allergen advice, please reach out to our General Manager, Lisa Rodgers, rodders-lisa@aramark.com and she can put you in touch with our Registered Dietitian.

For more information, please visit <https://www.sru.edu/dining-services> (<https://www.sru.edu/dining-services/>).

Diversity, Equity, Inclusion, and Belonging (DEIB)

For information about the Diversity, Equity, Inclusion, and Belonging (DEIB) office, please visit the DEIB (<https://www.sru.edu/life-at-sru/diversity-equity-inclusion-and-belonging/>) page.

Exploratory Studies and Academic Progress (ESAP)

Chair	Secretary	Location	Department Phone
Musiette Clay	Jennifer Stroup	109 Bailey Library	724-738-2012

Department Web Site URL (<https://www.sru.edu/offices/exploratory-studies-and-academic-progress-office/>)

ACADEMICS SUPPORT RESOURCES TUTORIAL CENTER

Slippery Rock University's Tutorial Center provides undergraduate students with academic support through free peer individual and group tutoring services. Tutoring is offered for most Rock Studies Program courses. Tutorial services at Slippery Rock University are personalized and tailored to individuals' academic needs.

Tutoring services also include the proactive Supplemental Instruction (SI) model for academic assistance. Students hired as leaders attend assigned classes and work closely with enrolled students to assist with course content. Leaders facilitate group-tutoring sessions emphasizing cooperative learning activities.

Individual tutoring sessions for students are scheduled by appointment or on a drop-in basis, whereas group and SI sessions are scheduled to accommodate the greatest number of interested students.

ADVISEMENT RESOURCES

ACADEMIC ADVISEMENT

Academic Advisement is perhaps the most important faculty/student relationship outside the classroom. The University's academic advisement system is comprised of two primary organizational structures that include First Year Studies advisement and upper-class student/transfer student advisement.

ADVISEMENT DEVELOPMENT

Exploratory Studies and Academic Progress is responsible for developing adviser and student advising resources, conducting adviser training and first year student advising informational workshops, and maintaining its involvement in retention-related and first-year research activities.

FIRST YEAR STUDIES (FYRST) ADVISEMENT

The mission of the first-year student experience is to provide personalized support by ensuring that every student receives a high standard of academic advisement services from pre-enrollment to orientation, and throughout the student's first year.

During the student's enrollment in FYRST seminar, he/she should develop a more thorough understanding of his/her own purpose and goals in college as well as those of the university. If a new freshman has declared a major, advisement will be provided by a faculty member selected from the major department. If no major has been declared, the student will be actively involved in the Exploratory Program and advised by a selected faculty member who has volunteered to work with students. First-year student academic progression will be assisted by the faculty adviser; however, it is the student's responsibility to see that he/she meets all requirements of the degree granting college so that upon completion of the first year of study, the student has attained the minimum number of credits, the specified courses and the minimum grade point average required by the major department.

UPPER-CLASS STUDENT/TRANSFER STUDENT ADVISEMENT

If an upper-class student has declared a major, they will receive advisement from a faculty member in their major department. If an upper-class student has not declared a major, they will receive advisement from an Exploratory Studies and Academic Progress faculty member, who will help them in their academic progression toward fulfilling their degree requirements and will assist them in declaring an academic major.

Upon entrance into the university, new transfer students are assigned academic advisers from their major program.

EXPLORATORY (UNDECLARED) PROGRAM

Incoming first-year and transfer students who are undeclared will participate in the Exploratory Studies Program. These students are advised by faculty members in the Exploratory Studies and Academic Progress Department as part of this program.

The Exploratory Studies Program includes engaging activities and support, such as:

- College Success Workshops
- Majors & Minors Exposition
- Designing Your Life and Major Exploration with Career Education and Development
- Developmental Advisement
- Assistance with Transition to New Major

FRESHMAN SEMINAR (FYRST SEMINAR)

The FYRST Seminar is a one-credit hour course designed especially and exclusively to assist the first-year student with adjusting to college life at Slippery Rock University. This course provides, you, the student, with an opportunity to become integrated into the university's community of learners by exploring the purpose and value of higher education, addressing academic, personal and social transition issues, utilizing campus resources, refining academic skills and learning strategies, developing academic and career goals, and implementing strategies for maintaining personal wellness and overcoming barriers to success.

LEARNING COMMUNITY CLUSTERS

The university implemented a learning community cluster program which includes a freshman seminar for the purpose of improving students' academic and social integration and establishing an educational environment that maximizes both student-student interaction, student-faculty and student-professional staff interaction. The transition to university life can be challenging and even stressful. The academic and social advantages provided by joining a learning community cluster and freshman seminar initiative can help reduce that stress. By enrolling in the same classes, students are encouraged to meet new people, make friends easily, form study groups, participate in class discussions, and become engaged with their professors.

Research has shown that the more students connect to the university, the more successful they are in their college experience. Our research shows that by enhancing a student's sense of community and involvement, the freshman seminar and learning community clusters contribute to higher retention rates. Because both freshman seminars and learning communities promote active learning and foster collaboration and cooperation, students who participate are higher achievers and more involved in their classes.

FACULTY

Christa Brahler

Assistant Professor
Exploratory Stud & Acad Prog

April Carter

Instructor
Exploratory Stud & Acad Prog

Musiette Clay

Assistant Professor
Exploratory Stud & Acad Prog

Amber Hamilton

Assistant Professor
Exploratory Stud & Acad Prog

COURSES

ESAP 101 - FYRST Seminar

The FYRST Seminar provides students with an opportunity to become integrated into the university's community of learners by exploring the purpose and value of higher education, participating in the teaching/learning process, addressing academic and social transition issues, utilizing campus programs, services, and technology, and developing academic skills and learning strategies during the student's first semester at Slippery Rock University. This course is a one credit hour course designed to especially and exclusively assist first year students in their adjustment to college life at Slippery Rock University. No prerequisite. Enrollment by advisement. Open to first year students only. The credit earned in this course counts for graduation requirements.

Credits: 1

Term(s) Typically Offered: Offered Fall & Spring Terms

ESAP 102 - Learning Strategies

Students will develop effective learning strategies, goals, and decision-making skills with a view toward implementing a plan to remove their probationary status and become a student in "good academic standing." This course is primarily for students on academic probation (other students may enroll with the permission of the instructor). Credits earned count for graduation as an elective.

Credits: 1

Term(s) Typically Offered: Offered as Needed

ESAP 103 - Major and Career Exploration

This course will examine various decision making models as they are applied to choosing an academic major and/or career. Through a variety of in-class and out-of-class activities students will integrate self-knowledge and knowledge about majors and the world of work.

Credits: 1

Term(s) Typically Offered: Offered as Needed

ESAP 109 - Developmental Mathematics

This course covers basic arithmetic skills necessary for successful completion of basic algebra. Topics include basic operations using whole numbers, fractions and decimals, ratios and proportions, percents, and solving equations. Students not exempted from ACSD 109 must successfully complete this course before enrolling in ACSD 110. Students must pass a standard proficiency exam to pass this course. Course grading: A, B, C, or NC. Credit earned in this course will not count toward the university's 120 credit hour minimum required for graduation.

Credits: 3

Term(s) Typically Offered: Offered as Needed

ESAP 110 - Beginning Algebra

An overview of introductory algebra concepts, this course covers topics such as: simplifying variable expressions, solving equations and applications problems, simplifying polynomials, factoring, algebraic fractions, graphing linear equations, solving systems of linear equations, and simplifying radical expressions. Students who are placed into this course are expected to possess certain minimum competencies in arithmetic skills, and they must pass a standard proficiency exam to pass this course. Course grading: A, B, C, or NC. Prerequisite: ACSD 109 or exemption from ACSD 109. Credit earned in this course will not count toward the university's 120 credit hour minimum required for graduation.

Credits: 3

Term(s) Typically Offered: Offered Fall, Spring, & Summer

ESAP 111 - Designing Your Life: Building a Life and Career with Meaning and Purpose

What if there were a class to help you explore the bigger issues of finding your way to a career and life you'll love. The Designing Your Life course offers a framework, tools, and a community of peers and mentors where we'll work on these issues through a design thinking approach. All students, regardless of your plans, interests, or goals, can benefit from this constructive, creative, and effective approach to finding and designing your life and vocation.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

ESAP 121 - Freshman Research and Mentoring

The FRAME Seminar introduces students to academic research skills. Students will collaborate with faculty mentors, peers and professionals to develop skills in methodologies, analyses and dissemination of scholarly work. The seminar course is intended for second semester freshman.

Prerequisites: INDS 101^D or ESAP 101^D

^D Requires minimum grade of D.

Credits: 1

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

ESAP 139 - Foundations of Academic Discovery

Foundations of Academic Discovery serves as the entry point to the Rock Integrated Studies Program. With its strong faculty-student interaction, the course promotes intellectual inquiry, critical and creative thinking, and computer skills needed for academic success. Through varied content, the course introduces students to academic discourse and information literacy while exploring topics such as diversity and inclusion and global awareness. This course will set students along the path to becoming engaged with issues and scholarship important to a 21st century education while they learn about themselves and their place in the world.

Credits: 3

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1 or Freshman 2.

Enrollment limited to students with the ROCK STUDIES 2 STUDENT or ROCK STUDIES STUDENT attributes.

ESAP 190 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ESAP 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

ESAP 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

ESAP 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Enrollment limited to students with a semester level of Freshman 1, Freshman 2 or Sophomore 1.

ESAP 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 490 - Independent Study

Independent Study courses give students the opportunity to pursue research and/or studies that are not part of the university's traditional course offerings. Students work one on one or in small groups with faculty guidance and are typically required to submit a final paper or project as determined by the supervising professor.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

ESAP 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Students with a semester level of Freshman 1, Freshman 2 or Sophomore 1 may **not** enroll.

Global Engagement

Office for Global Engagement (<http://www.sru.edu/offices/global-engagement-office-for/>)

Vision

The vision for Global Engagement at Slippery Rock University is a community of students, faculty, staff, and alumni who see beyond national borders and cultural differences, embrace the rich diversity of the world for educational and personal growth, and contribute to the greater good of our global society.

International Student Services

In recognition of the unique needs of students who are not US citizens/permanent residents, the Office for Global Engagement coordinates the recruitment, admission, and support services for international students such as orientation to the United States and Slippery Rock University; immigration and legal matters (documentation for visas, passport renewal, extensions of stay, travel and reentry, work permits, etc.); support for the International Club; course registration; cultural/academic/personal adjustment; and community liaison. For more information about international student services, please visit <https://www.sru.edu/offices/inclusive-excellence> (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.sru.edu%2Foffices%2Finclusive-excellence&data=05%7C02%7Cchristine.agostino%40sru.edu%7C4f55d79c52f241be212a08ddea693680%7C86555dba073b4ff7b7d1b73a7c638924459778819431%7CUnknown%7CTWFPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUsIlYiOiwlJmMDAwMCIslIAiONXAwZmMlslkFQl9iTWFPbCIslldUljoyfQ%3D%3D%7C0%7C%7C%7C%7C&sdata=39B2B1Ytu8r5ntFP3EZlWRsWw0vs1w001bDMq%2Fv9FdY%3D&reserved=0>)

Student Abroad Opportunities

Study abroad is available to all Slippery Rock University students varying in length from one week to one year. These opportunities offer students the chance to explore different educational systems, cultures, and ways of life, as well as, to foster personal growth, cultural enrichment and enhanced employment opportunities.

For more information about study abroad at SRU, please visit <https://www.sru.edu/academics/study-abroad>

Grants and Sponsored Research

Office: Old Main

Phone: 724-738-2045

Email: grantsoffice@sru.edu

Director

Casey Hyatt

Research and scholarship are central features of any academic environment. At Slippery Rock University, faculty and students are active

in a wide range of internally and externally funded projects that support the research, teaching and public service missions of the university. The Office of Grants, Research and Sponsored Programs (GRASP) is responsible for assisting faculty in the acquisition of external funding for scholarship, research, and other projects; representing the university in pre-award and award transactions with funding sponsors; acting as a liaison between project directors, sponsors, administration, and external groups; and assisting with post-award administration of grants and contracts to assure compliance with federal, state, and university directives. The office also provides the administrative oversight to the Institutional Review Board (IRB) for ethical implementation of research projects involving human subjects and the Institutional Animal Care and Use Committee (IACUC) to ensure that the animal housing, care, and use in research labs meets federal standards and guidelines.

Under the auspices of the Office of Grants, Research and Sponsored Program, the annual Symposium for Student Research, Scholarship and Creative Activity is held during the spring semester. This day-long event enables students to present their research and scholarship, creative performances and art works to the campus community.

For more information: Grants and Sponsored Research (<https://www.sru.edu/offices/grants-research-and-sponsored-programs/>)

Honors College

Director: Dr. Jennifer Willford 724-738-2696

Associate Director: Dr. Nitin Sukhija 724-738-2143

Secretary: Rachele Drake 724-738-4417

Department Location/Phone: 190 Watson Hall 724-738-4003

For information about the Honors College at SRU, please visit the Honors College Website (<https://www.sru.edu/academics/honors-college/>).

Courses

HONR 195 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 195 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 198 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 290 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 295 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 298 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 300 - Seminar in Global Learning

Honors Global Learning Seminar is an interdisciplinary course that explores some of the world's most pressing, interesting, and enduring global issues. This course makes use of experiential learning to allow for personal and professional development of skills and knowledge to become informed, self-aware, and responsible global citizens with increased attentiveness to diversity and the interdependence of the world's people and/or environmental systems.

Credits: 3

Term(s) Typically Offered: Offered Spring Terms

Thematic Thread(s): Human Diversity & Well-Being, Institutions & Human Innovations, Transfer Thread Completion Course

Students with a semester level of Freshman 1 may **not** enroll.

Enrollment limited to students with the HONORS PRGM - STUDENT attribute.

HONR 385 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 386 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 387 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 388 - The Great Books

Seminars on selected topics from the classic works of human thought.

Credits: 3

Term(s) Typically Offered: Offered as Needed

HONR 390 - Experimental

A unique and specifically focused course within the general purview of a department which intends to offer it on a "one time only" basis and not as a permanent part of the department's curriculum.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 395 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 398 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

HONR 492 - Innovation for Positive Change

This course deals with the background knowledge, skills, and dispositions needed to innovate. This includes the ability to develop new ideas, recognize opportunities, analyze risks, create teams of motivated helpers, foster positive communication within the team, lead the team effectively to bring about change, assess progress from an idea to a change, and to pivot along the way. This course serves as the capstone course for the Innovation and Entrepreneurship Rock Studies Thread.

Credits: 3

Term(s) Typically Offered: Offered Fall Terms

Thematic Thread(s): Transfer Thread Completion Course

Enrollment limited to students with a semester level of Junior 1, Junior 2, Senior 1 or Senior 2.

HONR 495 - Workshop

A workshop is a program which is usually of short duration, narrow in scope, often non-traditional in content and format, and on a timely topic.

Credits: 1-6

Term(s) Typically Offered: Offered as Needed

HONR 498 - Selected Topics

A Selected Topics course is a normal, departmental offering which is directly related to the discipline, but because of its specialized nature, may not be able to be offered on a yearly basis by the department.

Credits: 1-3

Term(s) Typically Offered: Offered as Needed

Housing and Residence Life

The philosophy of university residence halls at Slippery Rock University is educational and intended for student development that maintains that residence halls are not merely places to eat and sleep, but rather, communities in which students grow and develop. This development occurs in out-of-class learning experiences through participation in various activities assisting development at a personal, social and academic level. To achieve these objectives, the Housing and Residence Life staff offer opportunities to meet a wide variety of needs. Full-time professional staff members known as Assistant Directors/Associate Directors of Residence Life supervise the on-campus residence halls, with the Assistance of professional Area Coordinators. Each residence hall floor section has a Community Assistant assigned to provide

educational and social programs to assist in the operation of the facility, offer support for the residents, and be available for emergency purposes. There are eight university-managed residence halls and one apartment complex, housing approximately 2,800 students. Six of the eight residence halls offer suite style housing with a variety of room styles. Each of the residential suite units provide in room bathroom facilities for the residents of that unit. The remaining two halls are traditional style with double rooms and communal restroom facilities. All SRU residence hall and apartments are air-conditioned.

Residence hall rooms and apartments are furnished with beds, chairs, desks, and window covers (shades). The beds are supplied with a mattress only. Students furnish their own blankets, pillows, towels, bedspreads, dresser covers, pillowcases, and sheets. Students may bring their own drapes and other accessories to personalize their living environment. Self-service laundries are available in each apartment building and residence hall. Lounges and recreation areas are available in each hall. A refrigerator and microwave are provided in each of the residential suite style units (Building A-F; Rock Apartments). Common kitchens equipped with microwaves and oven is available in each of the residence halls for students to prepare snacks.

Housing and Residence Life is responsible for housing students who select to live in a university-owned residence hall. All freshmen and sophomores, except those who verify they live with their parents or legal guardians within a reasonable commuting distance, are required to live on campus. While the University provides housing for non-traditional students, freshmen over the age of 21 may request permission to live off campus. In addition, other exemptions to the two-year requirement may be requested in categories that include, but not limited to: married, dependents in their care, military service. All such requests must be submitted to the Office of Housing and Residence Life via an online request form. During the period of November-January, current students submit housing agreements for the following year. These materials appear on the student's MyHousing portal when the process begins.

Slippery Rock University has a diverse student population living in university residences. Therefore, in compliance with the Pennsylvania Fair Education Practice Act, all residence assignments are made without regard to race, color, sex, religion, ancestry, national origin, handicap or disability, record of a handicap or disability, or relationship or association with an individual with a handicap or disability, use of a guide or support animal, and/or handling or training of support or guide animals. Having accepted the Act, the university believes that a cross section of cultures provides a pluralistic community environment and exceptional opportunities for student development.

The Office of Housing and Residence Life provides living learning communities for residence hall students. These communities offer an opportunity for students to apply to live with other students who share similar majors. Information regarding the living learning communities is available along with housing agreement materials.

Students who reside in university-owned residence halls must contract to eat in the university dining facilities. No extensive cooking is permitted in the residence halls.

Campus residence halls will be closed to all students during university vacation periods and also between summer sessions and semesters. A designated residence hall will be open for summer school sessions through a separate summer agreement. Break housing is made available for an extra per night fee for those who sign up during certain break periods (such as Thanksgiving and Spring Break).

The Housing and Residence Life staff is always pleased to offer help and assistance! Please visit our **website** for a variety of resources. Our central office staff is available Monday-Friday 8:00AM-4:30PM to receive your call at 724.738.2082.

ID Office

For information about the ID Office at SRU, please visit the ID Office Website (<https://www.sru.edu/offices/id-office/>).

Inclusive Excellence

The Office for Inclusive Excellence (OIE) serves as an impetus for positive interactions with all cultures while also providing academic and social support through diverse learning opportunities.

OIE is established in an understanding of diversity that welcomes people of all abilities, ages, ethnicities, genders, nationalities, races, religions, spiritual traditions, socio-economic classes, and sexual orientations. OIE consists of the student transition programs (<https://www.sru.edu/life-at-sru/diversity/inclusive-excellence/jump-start/>), campus-wide diversity programming (<https://www.sru.edu/life-at-sru/diversity/inclusive-excellence/programs-and-workshops/>), Women's Center (<https://www.sru.edu/life-at-sru/diversity-equity-inclusion-and-belonging/inclusive-excellence/programs-and-workshops/>), Pride Center (<https://www.sru.edu/life-at-sru/diversity/lgbtq/>) and the Veterans Center (<https://www.sru.edu/veterans/>).

Our goal is to practice inclusive excellence so that it is implemented and accomplished consistently throughout the institution.

The Office for Inclusive Excellence:

- Provides mentoring and coaching designed to offer academic and social support, build individual capacity and self-efficacy, and connect students to the University community
- Creates opportunities for all students to explore and celebrate cultures and identities in a safe and supportive atmosphere
- Gives voice to the needs of students while teaching them to be positive advocates for change

The Office for Inclusive Excellence has four primary concentrations:

1. Student Transitions
2. Mentoring
3. Inclusion
4. Advocacy

For more information on any areas of the Office for Inclusive Excellence, please visit us on the web at Office for Inclusive Excellence (<https://www.sru.edu/life-at-sru/diversity/inclusive-excellence/>).

Musical Organizations

For information about the ensembles at SRU, please visit <https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/music-ensembles> (<https://www.sru.edu/academics/colleges-and-departments/cla/departments/music/music-ensembles/>).

Off-Campus Housing

Off-campus housing is available in privately owned apartment complexes, rooming houses and homes. The University does not inspect or approve off-campus housing. Housing within the borough of Slippery Rock must comply with the housing code for property maintenance of the borough, which sets legal standards for safety (sanitation, freedom of hazards, etc.) and livability (water, ventilation, heat, etc.). Housing in the township does not fall under the jurisdiction of the Slippery Rock Borough zoning laws, but it must meet minimal health standards as determined by Butler County.

Off-campus housing lists are available at <https://www.sru.edu/offices/student-affairs> (<https://www.sru.edu/offices/student-affairs/>). Students who live off campus may contract to eat in the university dining facilities.

Parking Office

For information about the Parking Office at SRU, please visit the Parking Office Website (<https://www.sru.edu/offices/parking/>).

Preschool Child Care Center

The SRU/SGA Preschool and Child Care Center is a state licensed, nationally accredited non-profit program managed by the Student Government Association, Inc. of Slippery Rock University. Services are available for children age three to five of students, faculty, staff, and members of the Slippery Rock community. Children through age 12 are welcome for before and after-school care and for summer programs.

The Center is licensed by the Pennsylvania Department of Human Services and Department of Education and is accredited by the National Association for the Education of Young Children. It is a Keystone Stars STAR 4 rated site. The Center is the recipient of the PA Pre-K Counts and Federal CCAMPIS grants which provide free or reduced preschool to children based on financial need. The CCAMPIS grant is only available to the children of University enrolled students. In 2016, the Center was approved as a child care provider for both the Child Care Aware and GSA Subsidy military fee assistance programs. The Center employs one Master's level Director, three Master's level Head Teachers, three Graduate Assistants, and several undergraduate students majoring in education.

The Center is located at 007 McKay Education Building, and is open from 7:00 a.m. to 6:00 p.m., Monday through Friday. Service is provided year round. To contact, please call 724-738-2102. For information and to fill out an on line application, please visit our web page at www.slipperyrockchildcare.com (<https://nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fwww.slipperyrockchildcare.com%2F&data=05%7C01%7Cchristine.agostino%40sru.edu%7C69850e3ef2e5497886c108db40efe0de%7C86555dba073b4ff7b7d1b73a77c5bd92%7C0%7C0%7C638175171244578817%7CUnknown%7CTWFpbGZsb3d8eyJWljoImC4wLjAwMDAiLCJQIjoiV2luMzliLCJBTiI6IkhawWwLCJXVCi6Mnd%3D%7C3000%7C%7C&sdata=zn%2FZoyMAVqWGG4Ilc60TqU8Uefdd13Y93ZHuyt%2FhdQsl%3D&reserved=0>).

President's Commissions

Slippery Rock University has the following Presidential Commissions:

- Commission for Disability Issues
- Commission for Racial and Ethnic Diversity
- Commission on Women
- Commission for Gender Identity & Expression and Sexual Orientation
- Commission on Wellness
- Commission on Sustainability
- Commission for Veterans and Military Affairs
- Commission for Mental Health

To view information about the President's Commissions at SRU, please visit the President's Commission website (<https://www.sru.edu/about/administration/office-of-the-president/presidents-commissions/>).

Pride Center

For information about the Pride Center at SRU, please visit the Pride Center Website (<http://www.sru.edu/life-at-sru/diversity/lgbtq/>).

Publications

SLAB

SLAB is an award winning, nationally recognized literary magazine published by students from the English Department. SLAB publishes fiction, poetry, creative nonfiction, and graphic novel excerpts from established and emerging writers including winners of NEA Fellowships, Pushcart Prizes, and Eisner Awards. Staff members gain valuable publications experience in manuscript selection, editing, creative writing, and layout. Founded in 2005, SLAB receives funding through the Student Government Association. To view SLAB, please visit [slablitmag.org](http://www.slablitmag.org) (<http://www.slablitmag.org/>).

The Rocket

The Rocket is the independent, student-run newspaper serving Slippery Rock University. The staff publishes digital content daily on www.theonlinerocket.com (<http://www.theonlinerocket.com/>) and print editions on a monthly basis. The Rocket produces award-winning news, sports, and feature content covering the campus community and beyond, and serves as an outlet for student opinion through the editorial and letter-to-the-editor features. The Rocket provides an excellent experience for students whose career goals are in the areas of print, broadcast or converged journalism, social media, advertising, layout and design, and general digital content or news management.

Radio and Television

WSRU Radio

WSRU-FM 88.1 is a student owned and operated FCC regulated radio station and podcast studio on campus. It gives students hands-on experience in all aspects of radio and audio production including on-air, sports play-by-play, promotions, and event planning all under the guidance of a faculty advisor. WSRU-FM operates out of 213 Eisenberg Classroom Building and is open to students from any major.

WSRU-TV

The Maltby Converged Media Center is home to the student-run digital news team, WSRU-TV, and serves as an experiential learning environment for broadcast production courses offered from the Communication Department. The center features a multicamera studio space, control room, Mac-based editing bays, podcast stations and professionally

maintained, state-of-the-art equipment that is updated regularly to meet industry standards. Students at the center gain hands-on experience in every phase of the production process and build their portfolios as they prepare for internships and careers in the media industry.

REACH Experiential & Adventure Education Program

Ski Lodge

Office: 207 Rock Pride Drive, Slippery Rock, PA 16057

Phone: 724-738-2883

Andrew Loue, Assistant Director of Adventure

Through experiential and adventure activities, SRU's REACH Program provides students, faculty and staff the opportunity to explore topics such as leadership, teamwork, communication, problem solving and fun. We challenge participants to tap into their adventurous side and live in the moment. The program serves academic classes, student organizations and clubs, athletic teams and other various groups in the campus community. All activities are designed to meet the goals and objectives that are unique to each group. The program is based at the Ski Lodge and utilizes our high and low challenge (ropes) courses.

Special Recognition of Academic Achievement

Special Recognition of Academic Achievement

Slippery Rock University faculty and administration place a high value on the academic accomplishments of their students. SRU's academic reputation and its stature in the community of universities are tied inextricably to the scholastic achievements of its students. The University's rich and extensive resources provide a foundation of support for the realization of this goal. Scholarly and dedicated University faculty strive to challenge students' intellectual development and their achievement of excellence. The University community believes that student efforts in the attainment of high levels of scholarship deserve appropriate recognition and officially acknowledges student achievement throughout the academic year.

Each spring, the SRU celebrates academic achievements at a variety of events. The Celebration of Achievement honors the Outstanding Student in Research, Scholarship or Creative Activity and the Outstanding Student Academic Leader from each of the five colleges. SRU faculty members are honored with Presidential Awards for Excellence in Teaching, Advising Excellence -- Experienced, Advising Excellence -- Emerging, and Scholarly and Creative Achievement. SRU's finalist for the Dr. Ali-Zaidi Award for Academic Excellence is also announced.

A private reception is held for Presidential Scholars with the president, provost and deans. Presidential Scholars are the top 20 students in the sophomore, junior and senior classes. These students are selected based on cumulative grade-point average and credits earned at SRU in their respective class. In order to be considered as a Presidential Scholar, students must meet minimum credit hour requirements and have successfully completed 12 credits that year.

Student Center and Conference Services

The mission of the Slippery Rock University Student Center and Conference Services department is to provide assistance to anyone seeking to hold an event on campus. Through our efforts, we create a welcoming community that fosters student learning and provides a valuable, regional resource.

- The Robert M. Smith Student Center is a community gathering space where we create opportunities for learning and engagement through informal interaction and programmed events. In addition to various lounges and meeting spaces, the following offices and services are located in the Robert M. Smith Student Center: Student Center Operations, Dining Services, Conference Services, FNB Bank, Electronic Technology Center, Starbucks, SGA Bookstore, Rocky's Food Court, Quaker Steak & Lube, and the Student Development Suite including Student Engagement & Leadership, Inclusive Excellence, Women's Center, Student Success, Cooperative Activities, Student Government Association, University Program Board, Pride Center, Veteran's Lounge and other student organization offices.
- Students are our primary stakeholders, yet we also aim to serve the needs of the university and the community through support for events and programs.
- We train and empower our student employees to think critically, solve problems, and engage positively with diverse constituents.
- We create experiences for youth and adults to utilize our facilities and services through summer camps and conferences leading to positive benefits for the campus.
- We create learning environments that are inclusive, accessible, adaptable, and equipped with appropriate technology for a variety of events.

The variety of event spaces makes Slippery Rock University the venue of choice for student, staff, faculty, and community members to hold meetings, workshops, banquets, weddings, conferences, summer camps, and other special events. For additional information, stop by the Student Center Information Desk or call 724-738-4926.

Student Conduct

Slippery Rock University is an academic community in which there is mutual respect and trust of the persons who learn, teach, and work within it. Students of Slippery Rock University are entitled to certain rights and privileges which must be protected through fair and orderly processes and which are best safeguarded when each student acts responsibly. All students of the university community are equally entitled to the protection of the code of conduct. Students are expected to be familiar with the provisions of the Student Code of Conduct which is available at www.sru.edu/studentconduct (<http://www.sru.edu/studentconduct/>).

Student Counseling Center

Clinical Director

Dr. Ken Messina LPC

Phone

724.738.2034

Email

scc@sru.edu

The Student Counseling Center (SCC) strives to facilitate the total development of students by reducing distress, enhancing mental health, well-being, quality of life, and supporting aspirations. Our primary focus is on providing brief, confidential counseling aimed at helping students to succeed academically and interpersonally. When students require mental health services that are beyond the role or scope of the SCC, we will make appropriate referrals to campus and community resources. See our website for services and contact information.

<https://www.sru.edu/life-at-sru/health-and-wellness/counseling-center>
(<https://www.sru.edu/life-at-sru/health-and-wellness/counseling-center/>)

Student Engagement and Leadership

The Office for Student Engagement and Leadership serves as the premier outlet for students to learn about and explore opportunities to connect with peers and engage in co-curricular and leadership experiences at SRU.

Mission

The mission of the Office for Student Engagement & Leadership is to empower students in pursuit of their own developmental growth and achievements, through purposefully cultivated co-curricular opportunities and leadership experiences.

The Office for Student Engagement and Leadership oversees the following involvement areas:

- Student Organizations (<https://www.sru.edu/life-at-sru/student-activities/clubs-and-organizations/>)
- Fraternity and Sorority Life (<https://www.sru.edu/life-at-sru/student-activities/clubs-and-organizations/fraternity-and-sorority-life/>)
- Leadership Programs (<https://www.sru.edu/life-at-sru/student-activities/leadership-programs/>)
- Emerging Leadership Experience (<https://www.sru.edu/life-at-sru/student-activities/leadership-programs/emerging-leadership-experience/>)
- Student Government Association (<https://www.srsga.org/>)
- University Program Board (<https://sru.campuslabs.com/engage/organization/university-program-board/>)
- Homecoming (<https://sru.campuslabs.com/engage/organization/homecoming/>)
- Rock the Weekend (<https://sru.campuslabs.com/engage/organization/rtw/>)
- Week of Welcome (<https://www.sru.edu/life-at-sru/student-activities/wow/>)

CORE

CORE is the University's online student engagement platform, and the ultimate way to Connect, Organize, Reflect, and Engage in leadership and involvement opportunities at SRU. Students can explore hundreds of ways to get involved at SRU. Students can learn about student organizations, find volunteer experiences, and discover leadership opportunities. They can also stay up-to-date with the latest happenings on campus through the Events Calendar and personal news feed. CORE also provides features for students to organize and manage their own involvement through a co-curricular transcript.

To learn more about the various involvement areas and what's happening on campus, log into CORE at www.sru.edu/core (<http://www.sru.edu/core>)

core/), using your SRU username and password. For more information regarding the Office for Student Engagement and Leadership contact 724-738-2092 or leadership@sru.edu.

Student Health Services

For information about Student Health Services at SRU, please visit the Student Health Services Website (<https://www.sru.edu/offices/student-health-services/>).

Student Support

For information about Student Support at SRU, please visit the Student Support Website (<http://www.sru.edu/life-at-sru/health-and-wellness/care-network/>).

Success Coaching

724-738-2011

Success Coaches

Associate Director for Academic Success Design; Success Coach

Emily McClaine

Assistant Director for Academic Success; Success

Julie Ferring

Success and Career Coach

Grace Bennett

Success Coaching empowers students in their college transitions, goal setting, time management, academic habits, effective learning strategies, academic motivation, exam preparation, campus connections, and academic progress. Coaches work with students in one-on-one sessions and group workshops. Each session is individualized based on the student's needs and goals. While some students meet with a coach once, or periodically, other students may choose to meet with a coach semi-regularly in order to develop the skills they need to reach their goals. Coaching helps students to cultivate deep learning practices and use resources that will help them thrive. All students at SRU are welcome to meet with a success coach, and can do so by emailing success.coach@sru.edu. The Success Coaching Program also oversees Peer Academic Coaching, which offers weekly one-on-one coaching on fundamental academic skills with an undergraduate Peer Academic Coach. The Success Coaching Website (<https://www.sru.edu/academics/academic-services/student-success-coaches/>) provides more details about services and staff.

Theatre Productions

The Department of Theatre sponsors an active co-curricular program, and encourages students from across the university community to participate in productions – both onstage and backstage. Each year, SRU Theatre presents a season of faculty-directed productions: a balance of Broadway hits, new plays, and classics of the world theatre. An additional lab theatre space allows students to direct and produce their own work as well.

Participation in mainstage productions is open to any interested student and is not confined to theatre majors. Auditions for productions are held

throughout the academic year and are regularly announced on CORE. Students are encouraged to check CORE regularly or contact the Theatre Department for additional information.

equity-inclusion-and-belonging/inclusive-excellence/programs-and-workshops/).

University Advancement - Alumni Engagement

Office: Russell Wright Alumni House

Phone: 724-738-2018

Email: alumni@sru.edu

Director

Kelly Bailey

Assistant Director

Hope Pietrocarlo

Clerical Assistant

Lisa Luntz

Slippery Rock University has more than 75,000 graduates living throughout the country. Alumni are encouraged to join the Slippery Rock University Alumni Association, a separately incorporated organization that is devoted to serving the university and its alumni.

The Slippery Rock University Alumni Association hosts several events in the region and across the country to engage alumni. A variety of benefits are associated with membership to the association, including discounts on insurance, partnerships with national travel partners and savings at campus entities including the SGA bookstore. Significantly, the Alumni Association manages and awards twenty-three scholarships. Seventeen of the scholarships, the Alumni Association Scholarship, Past Presidents' Scholarship, the Madeline F. Stoops Scholarship, the the Nancy Angell/Hallie Dugan Smith Scholarship, the Eisaman Alumni Scholarship for sophomore students, the Maree McKay/ Esther Smiley Scholarships, the Carl and Norma Laughner Scholarship, the Maggie Meise Fellowship, the Watson Family Scholarship, Jeanne Powell Furrie Scholarships, the Anna Brua Williams Scholarships for women elementary education majors, and the Addison Scholarships are for academic excellence. The N. Kerr Thompson Scholarship is for student athletes.

The Association also sponsors Homecoming and Alumni Weekend, as well as special events throughout the year. Additional information on the Alumni Association as well as upcoming events can be found on the alumni web site at www.rockalumni.com (<http://www.rockalumni.com/>) or at www.sru.edu (<http://www.sru.edu/>) and then clicking on Alumni.

University Police

For information about the University Police at SRU, please visit the University Police Website (<https://www.sru.edu/life-at-sru/safety/university-police/>).

Veteran's Services

For information about Veteran's Services at SRU, please visit the Veteran's Services Website (<http://www.sru.edu/veterans/>).

Women's Center

For information about the Women's Center at SRU, please visit the Women's Center Website (<https://www.sru.edu/life-at-sru/diversity->

ACADEMIC CALENDAR

Academic Calendars

- 2024-2025 Academic Calendar (p. 1168)
- 2025-2026 Academic Calendar (p. 1170)
- 2026-2027 Academic Calendar (p. 1173)
- 2027-2028 Academic Calendar (p. 1175)

2024-2025 Academic Calendar Fall Semester 2024

Date	Event
AUGUST	
Monday, August 19	Senior Citizens Register for Fall Classes
Monday, August 26	Fall Semester Classes Begin at 8:00 a.m.
Tuesday, August 27	Course Drop/Add Deadline for 1st 5 Week Classes
Wednesday, August 28	Course Withdrawal ("W") Period Begins – 1st 5 Week Classes
Wednesday, August 28	Course Drop/Add Deadline for Session A Classes
Thursday, August 29	Course Withdrawal ("W") Period Begins – Session A Classes
SEPTEMBER	
Monday, September 2	Labor Day (No Day or Evening Classes)
Tuesday, September 3	Classes Resume at 8:00 a.m.
Tuesday, September 3	Course Drop/Add Deadline for a Full Semester Class(es)
Tuesday, September 3	Course Drop/Add Deadline for 12 Week Classes
Tuesday, September 3	Course Drop/Add Deadline for 10 Week Classes
Wednesday, September 4	Course Withdrawal ("W") Period Begins– Full Semester, 12 Week and 10 Week Classes
Monday, September 9	Last Day for Grade Option
Wednesday, September 18	Course Withdrawal ("W") Deadline for 1st 5 Week Classes
Monday, September 30	End 1st 5 Week Classes
Monday, September 30	Course Withdrawal ("W") Deadline for Session A Classes
OCTOBER	
Tuesday, October 1	Start 2nd 5 Week Classes
Wednesday, October 2	Course Drop/Add Deadline for 2nd 5 Week Classes
Thursday, October 3	Course Withdrawal ("W") Period Begins - 2nd 5 Week Classes

Saturday, October 5 Saturday Classes are Held

Sunday, October 6 – Tuesday, October 8 Fall Break – No Day or Evening Classes

Tuesday, October 8 Professional Development Day

Wednesday, October 9 Classes Resume at 8:00 a.m.

Tuesday, October 15 Course Withdrawal ("W") Deadline for 10 Week Classes

Wednesday, October 16 Fall Midterm Grades Due by Noon

Friday, October 18 End Session A Classes

Monday, October 21 Start Session B Classes

Tuesday, October 22 Session A Grades due by 3:00 p.m.

Wednesday, October 23 Course Drop/Add Deadline for Session B Classes

Wednesday, October 23 Course Withdrawal ("W") Deadline for 12 Week Classes

Thursday, October 24 Course Withdrawal ("W") Period Begins - Session B Classes

Friday, October 25 Course Withdrawal ("W") Deadline for 2nd 5 Week Classes

NOVEMBER

Wednesday, November 6 Course Withdrawal ("W") Deadline for a Full Semester class

Wednesday, November 6 End 2nd 5 Week Classes

Wednesday, November 6 End 10 Week Classes

Thursday, November 7 Start 3rd 5 Week Classes

Friday, November 8 Course Drop/Add Deadline 3rd 5 Week Classes

Monday, November 11 Course Withdrawal ("W") Period Begins - 3rd 5 Week Classes

Monday, November 11 – Friday, November 22 Winter 2024 and Spring 2025 Registration

Wednesday, November 20 End 12 Week Classes

Friday, November 22 Course Withdrawal ("W") Deadline for Session B Classes

Monday, November 25 Non-Degree Student Registration for Winter/Spring

Wednesday, November 27 – Sunday, December 1 Thanksgiving Recess (No Day or Evening Classes)

DECEMBER

Monday, December 2 Classes Resume at 8:00 a.m.

Wednesday, December 4	Course Withdrawal ("W") Deadline for 3rd 5 Week Classes
Monday, December 9	Last Day of Classes (3rd 5 week & Session B Classes Meet through Exam Week)
Monday, December 9	Last day to Withdraw from University (All Classes)
Tuesday, December 10 – Saturday, December 14	Final Exam Week
Friday, December 13	End 3rd 5 Week Classes
Friday, December 13	End Session B Classes
Saturday, December 14	Commencement 11:00 a.m.
Tuesday, December 17	Fall Final Grades Due by 3:00 p.m.

Winter Session 2024

Date	Event
DECEMBER	
Monday, December 9	Senior Citizens Register for Winter Classes
Monday, December 16	Winter Session Classes Begin
Tuesday, December 17	Course Drop/Add Deadline for Winter Session Classes
Wednesday, December 25	Christmas Day (No Classes)
JANUARY	
Wednesday, January 1	New Year's Day (No Classes)
Thursday, January 2	Course Withdrawal ("W") Deadline for Winter Session Classes
Friday, January 10	Winter Session Ends
Tuesday, January 14	Winter Session Grades Due by Noon

Spring Semester 2025

Date	Event
JANUARY	
Tuesday, January 14	Senior Citizens Register for Spring Classes
Tuesday, January 21	Spring Semester Classes Begin at 8:00 a.m.
Wednesday, January 22	Course Drop/Add Deadline for 1st 5 Week Classes
Thursday, January 23	Course Withdrawal ("W") Period Begins for 1st 5 Week Classes
Thursday, January 23	Course Drop/Add Deadline for Session A classes
Friday, January 24	Course Withdrawal ("W") Period Begins – Session A Classes

Tuesday, January 28	Course Drop/Add Deadline – Full Semester Classes
Tuesday, January 28	Course Drop/Add Deadline – 12 Week Classes
Tuesday, January 28	Course Drop/Add Deadline – 10 Week Classes
Wednesday, January 29	Course Withdrawal ("W") Begins— Full Semester, 12 Week and 10 Week Classes
FEBRUARY	
Monday, February 3	Last Day for Grade Option
Wednesday, February 12	Course Withdrawal ("W") Deadline for 1st 5 Week Classes
Monday, February 24	End 1st 5 Week Classes
Monday, February 24	Course Withdrawal ("W") Deadline for Session A Classes
Tuesday, February 25	Start 2nd 5 Week Classes
Wednesday, February 26	Course Drop/Add Deadline for 2nd 5 Week Classes
Thursday, February 27	Course Withdrawal "W" Period Begins 2nd 5 Week Classes
MARCH	
Monday, March 3	Summer 2025 Registration opens
Thursday, March 6	Midterm Grades Due at Noon
Friday, March 7	Course Withdrawal ("W") Deadline for 10 Week Classes
Saturday, March 8	Saturday Classes are Held
Sunday, March 9 – Sunday, March 16	Spring Break
Monday, March 17	Classes Resume at 8:00 a.m.
Wednesday, March 19	End of Session A Classes
Thursday, March 20	Start of Session B Classes
Friday, March 21	Session A grades due by 3:00 p.m.
Monday, March 24	Course Drop/Add Deadline Session B Classes
Monday, March 24	Course Withdrawal ("W") Deadline for 12 Week Classes
Tuesday, March 25	Course Withdrawal "W" Period Begins for Session B Classes
Wednesday, March 26	Course Withdrawal ("W") Deadline for 2nd 5 Week Classes
APRIL	
Monday, April 7	Course Withdrawal ("W") Deadline for a Full Semester Class
Monday, April 7	End 2nd 5 Week Classes
Monday, April 7	End 10 Week Classes
Monday, April 7 – Friday, April 18	Fall 2025 Registration
Tuesday, April 8	Start 3rd 5 Week Classes

Wednesday, April 9	Course Drop/Add Deadline 3rd 5 Week Classes
Thursday, April 10	Course Withdrawal "W" Period Begins for 3rd 5 Week Classes
Monday, April 21	End 12 Week Classes
Monday, April 21	Non-Degree Students Register for Summer
Wednesday, April 23	Course Withdrawal ("W") Deadline for Session B Classes
Wednesday, April 30	Course Withdrawal ("W") Deadline for 3rd 5 Week Classes
MAY	
Monday, May 5	Last Day of Classes (3rd 5 Week and Session B Classes Meet through Exam Week)
Monday, May 5	Last day to Withdraw from University (All Classes)
Tuesday, May 6 – Saturday, May 10	Final Exam Week
Friday, May 9	Commencement at 6:00 p.m. for all Graduate students (Masters and Doctorate)
Saturday, May 10	Commencement for all Undergraduate students (times TBA)
Tuesday, May 13	Final Spring Grades Due by 3:00 p.m.

Summer Session 2025

Date	Event
MAY	
Wednesday, May 7	Senior Citizens Register for Summer Classes
Wednesday, May 14	Pre-Session Term Begins
Wednesday, May 14	Full Summer Term Begins
Wednesday, May 14	Post Session Term Begins
Thursday, May 15	Course Drop/Add Deadline - Pre-Session Classes
Wednesday, May 21	Course Drop/Add Deadline - Full Summer Term Classes
Friday, May 23	Course Withdrawal ("W") Deadline for Pre-Session
Monday, May 26	Memorial Day (No Classes)
Friday, May 30	End Pre-Session Classes
JUNE	
Monday, June 2	Start Session I
Monday, June 2	Start Summer Term
Tuesday, June 3	Course Drop/Add Deadline - Session 1
Tuesday, June 3	Pre-Session Grades Due by Noon
Thursday, June 5	Course Drop/Add Deadline - Summer Term
Friday, June 13	Deadline to Register for an Internship
Wednesday, June 18	Course Withdrawal ("W") Deadline for Session I
Thursday, June 19	Juneteenth Observed (No Classes)
Monday, June 30	End Session I
Monday, June 30	Non-Degree Student Registration for Fall Classes
JULY	
Tuesday, July 1	Start Session II

Wednesday, July 2	Course Drop/Add Deadline - Session II
Wednesday, July 2	Session I Grades Due by Noon
Thursday, July 3	Course Withdrawal ("W") Deadline for Full Summer
Friday, July 4	Independence Day Observed (No Classes)
Thursday, July 10	Summer Term Course Withdrawal "W" Deadline
Friday, July 18	Course Withdrawal ("W") Deadline for Session II
Tuesday, July 29	End Post-Session/Full Summer
Tuesday, July 29	End Session II/Summer Term
AUGUST	
Monday, August 4	Session II/Post-Session/Full Summer/Summer Term Grades Due by Noon
Monday, August 18	Senior Citizens Register for Fall Classes
Saturday, August 23 - Sunday, August 24	Welcome Back Days for Fall 2025
Monday, August 25	Fall Semester 2025 Classes Begin at 8:00 a.m.

*All dates are as of 01/15/2025 and are subject to change.

2025-2026 Academic Calendar FALL SEMESTER 2025

Date	Event
AUGUST	
Monday, August 18	Senior Citizens Register for Fall Classes
Monday, August 25	Fall Semester Classes Begin at 8:00 a.m.
Tuesday, August 26	Drop/Add Deadline - 1st 5 Week Classes
Wednesday, August 27	Drop/Add Deadline - Session A Classes
Wednesday, August 27	Course Withdrawal "W" Period Begins – 1st 5 Week Classes
Thursday, August 28	Course Withdrawal "W" Period Begins - Session A
SEPTEMBER	
Monday, September 1	Labor Day (No Day or Evening Classes)
Tuesday, September 2	Classes Resume at 8:00 a.m.
Tuesday, September 2	Drop/Add Deadline - Full Semester Class(es)
Tuesday, September 2	Drop/Add Deadline - 12 Week Classes
Tuesday, September 2	Drop/Add Deadline - 10 Week Classes
Wednesday, September 3	Course Withdrawal "W" Period Begins – Full Semester, 12 Week, 10 Week Classes
Friday, September 5	Last Day for Grade Option

Wednesday, September 17	Course Withdrawal "W" Deadline - 1st 5 Week Classes
Monday, September 29	End 1st 5 Week Classes
Monday, September 29	Course Withdrawal "W" Deadline - Session A Classes
Tuesday, September 30	Start 2nd 5 Week Classes
OCTOBER	
Wednesday, October 1	Drop/Add Deadline - 2nd 5 Week Classes
Saturday, October 4	Saturday Classes are Held
Sun, October 5 – Tue, October 7	Fall Break – No Day or Evening Classes
Wednesday, October 8	Classes Resume at 8:00 a.m.
Friday, October 10	Midterm Grades due by Noon
Tuesday, October 14	Course Withdrawal "W" Deadline - 10 Week Classes
Friday, October 17	End Session A Classes
Monday, October 20	Start Session B Classes
Tuesday, October 21	Session A Grades due by 3:00 p.m.
Wednesday, October 22	Drop/Add Deadline - Session B Classes
Wednesday, October 22	Course Withdrawal "W" Deadline - 12 Week Classes
Thursday, October 23	Course Withdrawal "W" Period Begins - Session B
Friday, October 24	Course Withdrawal "W" Deadline - 2nd 5 Week Classes
NOVEMBER	
Mon, November 3 – Fri, November 14	Winter 2025 and Spring 2026 Registration
Wednesday, November 5	Course Withdrawal "W" Deadline - Full Semester class(es)
Wednesday, November 5	End 2nd 5 Week Classes
Wednesday, November 5	End 10 Week Classes
Thursday, November 6	Start 3rd 5 Week Classes
Friday, November 7	Drop/Add Deadline - 3rd 5 Week Classes
Monday, November 17	Non-Degree Student Registration for Winter/Spring
Wednesday, November 19	End 12 Week Classes
Friday, November 21	Course Withdrawal "W" Deadline - Session B Classes

Wed, November 26 – Sun, November 30	Thanksgiving Recess (No Day or Evening Classes)
DECEMBER	
Monday, December 1	Classes Resume at 8:00 a.m.
Wednesday, December 3	Course Withdrawal "W" Deadline - 3rd 5 Week Classes
Monday, December 8	Last Day of Classes (3rd 5 week & Session B Classes Meet through Exam Week)
Monday, December 8	Last day to Withdraw from University (All Classes)
Tue, December 9 – Sat, December 13	Final Exam Week
Friday, December 12	End 3rd 5 Week Classes
Friday, December 12	End Session B Classes
Saturday, December 13	Commencement 11:00 a.m.
Tuesday, December 16	Fall Final Grades Due by 3:00 p.m.

Winter Semester 2025

Date	Event
DECEMBER	
Wednesday, December 10	Senior Citizens Register for Winter Classes
Monday, December 15	Winter Session Classes Begin
Tuesday, December 16	Drop/Add Deadline for Winter Session
Thursday, December 25	Christmas Day (No Classes)
Wednesday, December 31	Winter Session Withdrawal ("W") Deadline
JANUARY	
Thursday, January 1	New Year's Day (No Classes)
Friday, January 9	Winter Session Ends
Tuesday, January 13	Winter Session Grades Due by Noon

Spring Semester 2026

Date	Event
JANUARY	
Tuesday, January 13	Senior Citizens Register for Spring Classes
Tuesday, January 20	Spring Semester Classes Begin at 8:00 a.m.
Wednesday, January 21	Drop/Add Deadline - 1st 5 Week Classes
Thursday, January 22	Drop/Add Deadline - Session A Classes

Thursday, January 22	Course Withdrawal "W" Period Begins - 1st 5 Week Classes
Friday, January 23	Course Withdrawal "W" Period Begins - Session A Classes
Tuesday, January 27	Drop/Add Deadline – Full Semester Classes
Tuesday, January 27	Drop/Add Deadline – 12 Week Classes
Tuesday, January 27	Drop/Add Deadline – 10 Week Classes
Wednesday, January 28	Course Withdrawal "W" Period Begins— Full Semester, 12 Week, 10 Week
FEBRUARY	
Tuesday, February 3	Last Day for Grade Option
Wednesday, February 11	Course Withdrawal "W" Deadline - 1st 5 Week Classes
Monday, February 23	End 1st 5 Week Classes
Monday, February 23	Course Withdrawal "W" Deadline - Session A Classes
Tuesday, February 24	Start 2nd 5 Week Classes
Wednesday, February 25	Drop/Add Deadline - 2nd 5 Week Classes
MARCH	
Thursday, March 5	Midterm Grades Due at Noon
Friday, March 6	Course Withdrawal "W" Deadline - 10 Week Classes
Wednesday, March 11	End of Session A Classes
Thursday, March 12	Start of Session B Classes
Friday, March 13	Session A grades due by 3:00 p.m.
Saturday, March 14	Drop/Add Deadline Session B Classes
Saturday, March 14	Saturday Classes are Held
Sun, March 15 – Sun, March 22	Spring Break
Monday, March 23	Classes Resume at 8:00 a.m.
Monday, March 23	Course Withdrawal "W" Deadline- 12 Week Classes
Wednesday, March 25	Course Withdrawal "W" Deadline - 2nd 5 Week Classes
APRIL	
Monday, April 6	Course Withdrawal "W" Deadline- Full Semester Class(es)
Monday, April 6	End 2nd 5 Week Classes
Monday, April 6	End 10 Week Classes
Mon, April 6 – Fri, April 17	Summer/Fall 2026 Registration
Tuesday, April 7	Start 3rd 5 Week Classes
Wednesday, April 8	Drop/Add Deadline - 3rd 5 Week Classes

Monday, April 20	End 12 Week Classes
Monday, April 20	Non-Degree Students Register for Summer
Wednesday, April 22	Course Withdrawal "W" Deadline - Session B Classes
Wednesday, April 29	Course Withdrawal "W" Deadline - 3rd 5 Week Classes
MAY	
Monday, May 4	Last Day of Classes (3rd 5 Week and Session B Classes Meet through Exam Week)
Monday, May 4	Last day to Withdraw from University (All Classes)
Tue, May 5 – Sat, May 9	Final Exam Week
Friday, May 8	Commencement at 6:00 p.m. for all Graduate students (Masters and Doctorate)
Saturday, May 9	Commencement for all Undergraduate students (times TBA)
Tuesday, May 12	Final Spring Grades Due by 3:00 p.m.

Summer Semester 2026

Date	Event
MAY	
Wednesday, May 6	Senior Citizens Register for Summer Classes
Wednesday, May 13	Pre-Session Begins
Wednesday, May 13	Full Summer Term Begins
Wednesday, May 13	Post Session Term Begins
Thursday, May 14	Pre-Session Drop/Add Deadline
Wednesday, May 20	Full Summer Drop/Add Deadline
Friday, May 22	Course Withdrawal "W" Deadline – Pre-Session
Monday, May 25	Memorial Day (No Classes)
Friday, May 29	Pre-Session Ends
JUNE	
Monday, June 1	Session I Begins
Monday, June 1	Summer Term Begins
Tuesday, June 2	Session I Drop/Add Deadline
Tuesday, June 2	Pre-Session Grades Due by Noon
Thursday, June 4	Summer Term Drop/Add Deadline
Monday, June 15	Deadline to Register for an Internship
Wednesday, June 17	Course Withdrawal "W" Deadline - Session I
Friday, June 19	Juneteenth Observed (No Classes)
Monday, June 29	Session I Ends
Tuesday, June 30	Session II Begins
JULY	
Wednesday, July 1	Non-Degree Student Registration for Fall Classes
Wednesday, July 1	Session II Drop/Add Deadline
Wednesday, July 1	Session I Grades Due by Noon

Wednesday, July 1	Course Withdrawal "W" Deadline – Full Summer
Friday, July 3	Independence Day Observed (No Classes)
Thursday, July 9	Course Withdrawal "W" Deadline – Summer Term
Friday, July 17	Course Withdrawal "W" Deadline - Session II
Tuesday, July 28	Post-Session/Full Summer End
Tuesday, July 28	Session II/Summer Term End
AUGUST	
Monday, August 3rd	Session II/Post-Session/Full Summer/Summer Term Grades Due by Noon
Monday, August 17	Senior Citizens Register for Fall Classes
Monday, August 24	Fall Semester 2026 Classes Begin at 8:00 a.m.

*All dates are as of 03/06/2026 and are subject to change.

2026-2027 Academic Calendar

Fall Semester 2026

Date	Event
AUGUST	
Monday, August 17	Senior Citizens Register for Fall Classes
Monday, August 24	Fall Semester Classes Begin at 8:00 a.m.
Tuesday, August 25	Drop/Add Deadline - 1st 5 Week Classes
Wednesday, August 26	Drop/Add Deadline - Session A Classes
Wednesday, August 26	Course Withdrawal "W" Period Begins – 1st 5 Week Classes
Thursday, August 27	Course Withdrawal "W" Period Begins – Session A
Monday, August 31	Drop/Add Deadline - Full Semester Class(es)
Monday, August 31	Drop/Add Deadline - 12 Week Classes
Monday, August 31	Drop/Add Deadline - 10 Week Classes
SEPTEMBER	
Tuesday, September 1	Course Withdrawal "W" Period Begins– Full Semester, 12 Week, 10 Week Classes
Friday, September 4	Last Day for Grade Option
Monday, September 7	Labor Day (No Day or Evening Classes)
Tuesday, September 8	Classes Resume at 8:00 a.m.
Wednesday, September 16	Course Withdrawal "W" Deadline - 1st 5 Week Classes
Monday, September 28	End 1st 5 Week Classes
Monday, September 28	Course Withdrawal "W" Deadline - Session A Classes

Tuesday, September 29	Start 2nd 5 Week Classes
Wednesday, September 30	Drop/Add Deadline - 2nd 5 Week Classes
OCTOBER	
Friday, October 9	Course Withdrawal "W" Deadline - 10 Week Classes
Friday, October 9	Midterm Grades due by Noon
Sun, October 11 – Tue, October 13	Fall Break – No Day or Evening Classes
Wednesday, October 14	Classes Resume at 8:00 a.m.
Friday, October 16	End Session A Classes
Monday, October 19	Start Session B Classes
Tuesday, October 20	Session A Grades due by 3:00 p.m.
Wednesday, October 21	Drop/Add Deadline - Session B Classes
Wednesday, October 21	Course Withdrawal "W" Deadline - 12 Week Classes
Thursday, October 22	Course Withdrawal "W" Period Begins – Session B
Friday, October 23	Course Withdrawal "W" Deadline - 2nd 5 Week Classes
Thursday, October 29	Course Withdrawal "W" Deadline – Full Semester class(es)
NOVEMBER	
Mon, November 2 – Fri, November 13	Winter 2026 and Spring 2027 Registration
Wednesday, November 4	End 2nd 5 Week Classes
Wednesday, November 4	End 10 Week Classes
Thursday, November 5	Start 3rd 5 Week Classes
Friday, November 6	Drop/Add Deadline - 3rd 5 Week Classes
Monday, November 16	Non-Degree Student Registration for Winter/Spring
Wednesday, November 18	End 12 Week Classes
Friday, November 20	Course Withdrawal "W" Deadline - Session B Classes
Wed, November 25 – Sun, November 29	Thanksgiving Recess (No Day or Evening Classes)
Monday, November 30	Classes Resume at 8:00 a.m.
DECEMBER	
Wednesday, December 2	Course Withdrawal "W" Deadline - 3rd 5 Week Classes
Monday, December 7	Last Day of Classes (3rd 5 week & Session B Classes Meet through Exam Week)

Monday, December 7	Last Day to Withdraw from University for the semester
Tue, December 8 – Sat, December 12	Final Exam Week
Friday, December 11	End 3rd 5 Week Classes
Friday, December 11	End Session B Classes
Saturday, December 12	Commencement 11:00 a.m.
Tuesday, December 15	Fall Final Grades Due by 3:00 p.m.

Winter Session 2026

Date	Event
DECEMBER	
Monday, December 7	Senior Citizens Register for Winter Classes
Monday, December 14	Winter Session Classes Begin
Tuesday, December 15	Drop/Add Deadline for Winter Session
Friday, December 25	Christmas Day (No Classes)
Wednesday, December 30	Winter Session Withdrawal (“W”) Deadline
JANUARY	
Friday, January 1	New Year’s Day (No Classes)
Friday, January 8	Winter Session Ends
Tuesday, January 12	Winter Session Grades Due by Noon

Spring Semester 2027

Date	Event
JANUARY	
Tuesday, January 12	Senior Citizens Register for Spring Classes
Tuesday, January 19	Spring Semester Classes Begin at 8:00 a.m.
Wednesday, January 20	Drop/Add Deadline - 1st 5 Week Classes
Thursday, January 21	Drop/Add Deadline – Session A Classes
Thursday, January 21	Course Withdrawal “W” Period Begins - 1st 5 Week Classes
Friday, January 22	Course Withdrawal “W” Period Begins – Session A Classes
Tuesday, January 26	Drop/Add Deadline – Full Semester Classes
Tuesday, January 26	Drop/Add Deadline – 12 Week Classes
Tuesday, January 26	Drop/Add Deadline – 10 Week Classes

Wednesday, January 27	Course Withdrawal “W” Period Begins— Full Semester, 12 Week, 10 Week
FEBRUARY	
Tuesday, February 2	Last Day for Grade Option
Wednesday, February 10	Course Withdrawal “W” Deadline - 1st 5 Week Classes
Monday, February 22	End 1st 5 Week Classes
Monday, February 22	Course Withdrawal “W” Deadline - Session A Classes
Tuesday, February 23	Start 2nd 5 Week Classes
Wednesday, February 24	Drop/Add Deadline - 2nd 5 Week Classes
MARCH	
Thursday, March 4	Midterm Grades Due at Noon
Friday, March 5	Course Withdrawal “W” Deadline - 10 Week Classes
Sun, March 7 - Sun, March 14	Spring Break
Monday, March 15	Classes Resume at 8:00 a.m.
Wednesday, March 17	End of Session A Classes
Thursday, March 18	Start of Session B Classes
Friday, March 19	Session A grades due by 3:00 p.m.
Monday, March 22	Drop/Add Deadline Session B Classes
Monday, March 22	Course Withdrawal “W” Deadline- 12 Week Classes
Wednesday, March 24	Course Withdrawal “W” Deadline - 2nd 5 Week Classes
Tuesday, March 30	Course Withdrawal “W” Deadline- Full Semester Class(es)
APRIL	
Monday, April 5	End 2nd 5 Week Classes
Monday, April 5	End 10 Week Classes
Mon, April 5 – Fri, April 16	Summer/Fall 2027 Registration
Tuesday, April 6	Start 3rd 5 Week Classes
Wednesday, April 7	Drop/Add Deadline - 3rd 5 Week Classes
Monday, April 19	End 12 Week Classes
Monday, April 19	Non-Degree Students Register for Summer
Wednesday, April 21	Course Withdrawal “W” Deadline - Session B Classes
Wednesday, April 28	Course Withdrawal “W” Deadline - 3rd 5 Week Classes
MAY	
Monday, May 3	Last Day of Classes (3rd 5 Week and Session B Classes Meet through Exam Week)
Monday, May 3	Last Day to Withdraw from University for the semester
Tue, May 4 – Sat, May 8	Final Exam Week

Friday, May 7	Commencement at 6:00 p.m. for all Graduate students (Masters and Doctorate)
Saturday, May 8	Commencement for all Undergraduate students (times TBA)
Tuesday, May 11	Final Spring Grades Due by 3:00 p.m.

Summer Session 2027

Date	Event
MAY	
Wednesday, May 5	Senior Citizens Register for Summer Classes
Monday, May 10	Extended Full Summer term begins (Physician Asst. program only)
Wednesday, May 12	Pre-Session Begins
Wednesday, May 12	Full Summer Term Begins
Wednesday, May 12	Post Session Term Begins
Thursday, May 13	Pre-Session Drop/Add Deadline
Wednesday, May 19	Full Summer Drop/Add Deadline
Friday, May 21	Course Withdrawal "W" Deadline – Pre-Session
Friday, May 28	Pre-Session Ends
Monday, May 31	Memorial Day (No Classes)
JUNE	
Tuesday, June 1	Session I Begins
Tuesday, June 1	Summer Term Begins
Wednesday, June 2	Session I Drop/Add Deadline
Wednesday, June 2	Pre-Session Grades Due by Noon
Friday, June 4	Summer Term Drop/Add Deadline
Tuesday, June 15	Deadline to Register for an Internship
Thursday, June 17	Course Withdrawal "W" Deadline - Session I
Friday, June 18	Juneteenth Observed (No Classes)
Tuesday, June 29	Session I Ends
Wednesday, June 30	Session II Begins
Wednesday, June 30	Course Withdrawal "W" Deadline – Full Summer
JULY	
Thursday, July 1	Session II Drop/Add Deadline
Thursday, July 1	Session I Grades Due by Noon
Monday, July 5	Independence Day Observed (No Classes)
Thursday, July 8	Course Withdrawal "W" Deadline – Summer Term
Monday, July 19	Course Withdrawal "W" Deadline - Session II
Wednesday, July 28	Post-Session/Full Summer End
Wednesday, July 28	Session II/Summer Term End
AUGUST	

Tuesday, August 3	Session II/Post-Session/Full Summer/Summer Term Grades Due by Noon
Monday, August 9	Extended Full Summer Term ends (Physician Asst. program only)
Thursday, August 12	Extended Full Summer Term grades due by Noon (Physician Asst. program only)
Monday, August 16	Senior Citizens Register for Fall Classes
Monday, August 23	Fall Semester 2027 Classes Begin at 8:00 a.m.

*All dates are as of 09/22/2025 and are subject to change.

2027-2028 Academic Calendar Fall 2027

Date	Event
AUGUST	
Monday, August 16	Senior Citizens Register for Fall Classes
Monday, August 23	Fall Semester Classes Begin at 8:00 a.m.
Tuesday, August 24	Drop/Add Deadline - 1st 5 Week Classes
Wednesday, August 25	Drop/Add Deadline - Session A Classes
Wednesday, August 25	Course Withdrawal "W" Period Begins – 1st 5 Week Classes
Thursday, August 26	Course Withdrawal "W" Period Begins – Session A
Monday, August 30	Drop/Add Deadline - Full Semester Class(es)
Monday, August 30	Drop/Add Deadline - 12 Week Classes
Monday, August 30	Drop/Add Deadline - 10 Week Classes
Tuesday, August 31	Course Withdrawal "W" Period Begins– Full Semester, 12 Week, 10 Week Classes
SEPTEMBER	
Friday, September 3	Last Day for Grade Option
Monday, September 6	Labor Day (No Day or Evening Classes)
Tuesday, September 7	Classes Resume at 8:00 a.m.
Wednesday, September 15	Course Withdrawal "W" Deadline - 1st 5 Week Classes
Monday, September 27	End 1st 5 Week Classes
Monday, September 27	Course Withdrawal "W" Deadline - Session A Classes
Tuesday, September 28	Start 2nd 5 Week Classes
Wednesday, September 29	Drop/Add Deadline - 2nd 5 Week Classes
OCTOBER	

Friday, October 8	Course Withdrawal "W" Deadline - 10 Week Classes
Friday, October 8	Midterm Grades due by Noon
Sun, October 10 – Tue, October 12	Fall Break – No Day or Evening Classes
Wednesday, October 13	Classes Resume at 8:00 a.m.
Friday, October 15	End Session A Classes
Monday, October 18	Start Session B Classes
Tuesday, October 19	Session A Grades due by 3:00 p.m.
Wednesday, October 20	Drop/Add Deadline - Session B Classes
Wednesday, October 20	Course Withdrawal "W" Deadline - 12 Week Classes
Thursday, October 21	Course Withdrawal "W" Period Begins – Session B
Friday, October 22	Course Withdrawal "W" Deadline - 2nd 5 Week Classes
Thursday, October 28	Course Withdrawal "W" Deadline – Full Semester class(es)
NOVEMBER	
Mon, November 1 – Fri, November 12	Winter 2027 and Spring 2028 Registration
Wednesday, November 3	End 2nd 5 Week Classes
Wednesday, November 3	End 10 Week Classes
Thursday, November 4	Start 3rd 5 Week Classes
Friday, November 5	Drop/Add Deadline - 3rd 5 Week Classes
Monday, November 15	Non-Degree Student Registration for Winter/Spring
Wednesday, November 17	End 12 Week Classes
Friday, November 19	Course Withdrawal "W" Deadline - Session B Classes
Wed, November 24 – Sun, November 28	Thanksgiving Recess (No Day or Evening Classes)
Monday, November 29	Classes Resume at 8:00 a.m.
DECEMBER	
Wednesday, December 1	Course Withdrawal "W" Deadline - 3rd 5 Week Classes
Monday, December 6	Last Day of Classes (3rd 5 week & Session B Classes Meet through Exam Week)
Monday, December 6	Last Day to Withdraw from University for the semester
Tue, December 7 – Sat, December 11	Final Exam Week

Friday, December 10	End 3rd 5 Week Classes
Friday, December 10	End Session B Classes
Saturday, December 11	Commencement 11:00 a.m.
Tuesday, December 14	Fall Final Grades Due by 3:00 p.m.

Winter 2027

Date	Event
DECEMBER	
Monday, December 6	Senior Citizens Register for Winter Classes
Monday, December 13	Winter Session Classes Begin
Tuesday, December 14	Drop/Add Deadline for Winter Session
Friday, December 24	Christmas Day Observed (No Classes)
Wednesday, December 29	Winter Session Withdrawal ("W") Deadline
Friday, December 31	New Year's Day Observed (No Classes)
JANUARY	
Friday, January 7	Winter Session Ends
Tuesday, January 11	Winter Session Grades Due by Noon

Spring 2028

Date	Event
JANUARY	
Tuesday, January 11	Senior Citizens Register for Spring Classes
Tuesday, January 18	Spring Semester Classes Begin at 8:00 a.m.
Wednesday, January 19	Drop/Add Deadline - 1st 5 Week Classes
Thursday, January 20	Drop/Add Deadline – Session A Classes
Thursday, January 20	Course Withdrawal "W" Period Begins - 1st 5 Week Classes
Friday, January 21	Course Withdrawal "W" Period Begins – Session A Classes
Tuesday, January 25	Drop/Add Deadline – Full Semester Classes
Tuesday, January 25	Drop/Add Deadline – 12 Week Classes
Tuesday, January 25	Drop/Add Deadline – 10 Week Classes
Wednesday, January 26	Course Withdrawal "W" Period Begins— Full Semester, 12 Week, 10 Week
FEBRUARY	
Tuesday, February 1	Last Day for Grade Option

Wednesday, February 9	Course Withdrawal "W" Deadline - 1st 5 Week Classes
Monday, February 21	End 1st 5 Week Classes
Monday, February 21	Course Withdrawal "W" Deadline - Session A Classes
Tuesday, February 22	Start 2nd 5 Week Classes
Wednesday, February 24	Drop/Add Deadline - 2nd 5 Week Classes
MARCH	
Thursday, March 2	Midterm Grades Due at Noon
Friday, March 3	Course Withdrawal "W" Deadline - 10 Week Classes
Sun, March 5 - Sun, March 12	Spring Break
Monday, March 13	Classes Resume at 8:00 a.m.
Wednesday, March 15	End of Session A Classes
Thursday, March 16	Start of Session B Classes
Friday, March 17	Session A grades due by 3:00 p.m.
Monday, March 20	Drop/Add Deadline Session B Classes
Monday, March 20	Course Withdrawal "W" Deadline- 12 Week Classes
Wednesday, March 22	Course Withdrawal "W" Deadline - 2nd 5 Week Classes
Tuesday, March 28	Course Withdrawal "W" Deadline- Full Semester Class(es)
APRIL	
Monday, April 3	End 2nd 5 Week Classes
Monday, April 3	End 10 Week Classes
Mon, April 3 – Fri, April 14	Summer/Fall 2028 Registration
Tuesday, April 4	Start 3rd 5 Week Classes
Wednesday, April 5	Drop/Add Deadline - 3rd 5 Week Classes
Monday, April 17	End 12 Week Classes
Monday, April 17	Non-Degree Students Register for Summer
Wednesday, April 19	Course Withdrawal "W" Deadline - Session B Classes
Wednesday, April 26	Course Withdrawal "W" Deadline - 3rd 5 Week Classes
MAY	
Monday, May 1	Last Day of Classes (3rd 5 Week and Session B Classes Meet through Exam Week)
Monday, May 1	Last Day to Withdraw from University for the semester
Tue, May 2 – Sat, May 6	Final Exam Week
Friday, May 5	Commencement at 6:00 p.m. for all Graduate students (Masters and Doctorate)

Saturday, May 6	Commencement for all Undergraduate students (times TBA)
Tuesday, May 9	Final Spring Grades Due by 3:00 p.m.

Summer 2028

Date	Event
MAY	
Wednesday, May 3	Senior Citizens Register for Summer Classes
Monday, May 8	Extended Full Summer term begins (Physician Asst. program only)
Wednesday, May 10	Pre-Session Begins
Wednesday, May 10	Full Summer Term Begins
Wednesday, May 10	Post Session Term Begins
Thursday, May 11	Pre-Session Drop/Add Deadline
Wednesday, May 17	Full Summer Drop/Add Deadline
Friday, May 19	Course Withdrawal "W" Deadline – Pre-Session
Friday, May 26	Pre-Session Ends
Monday, May 29	Memorial Day (No Classes)
Tuesday, May 30	Session I Begins
Tuesday, May 30	Summer Term Begins
Wednesday, May 31	Session I Drop/Add Deadline
Wednesday, May 31	Pre-Session Grades Due by Noon
JUNE	
Friday, June 2	Summer Term Drop/Add Deadline
Thursday, June 15	Deadline to Register for an Internship
Thursday, June 15	Course Withdrawal "W" Deadline - Session I
Monday, June 19	Juneteenth Observed (No Classes)
Tuesday, June 27	Session I Ends
Wednesday, June 28	Session II Begins
Wednesday, June 28	Course Withdrawal "W" Deadline – Full Summer
Thursday, June 29	Session II Drop/Add Deadline
Thursday, June 29	Session I Grades Due by Noon
JULY	
Tuesday, July 4	Independence Day Observed (No Classes)
Thursday, July 6	Course Withdrawal "W" Deadline – Summer Term
Monday, July 17	Course Withdrawal "W" Deadline - Session II
Wednesday, July 26	Post-Session/Full Summer End
Wednesday, July 26	Session II/Summer Term End
AUGUST	

Tuesday, August 1	Session II/Post-Session/Full Summer/Summer Term Grades Due by Noon
Monday, August 7	Extended Full Summer Term ends (Physician Asst. program only)
Thursday, August 10	Extended Full Summer Term grades due by Noon (Physician Asst. program only)
Monday, August 14	Senior Citizens Register for Fall Classes
Monday, August 21	Fall Semester 2028 Classes Begin at 8:00 a.m.

***All dates are as of 09/22/2025 and are subject to change.**

ACADEMIC POLICIES

Academic procedures and policies are subject to change at any time. Changes may involve course content, credit hours, program requirements, and program admission requirements among others. It is the students' responsibility to review their My Rock Audit Report and confer with their academic advisers, the appropriate academic department, and the Office of Academic Records and Registration regarding current academic procedures and policies.

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Absence and Attendance

Slippery Rock University expects students to attend face-to-face classes and consistently engage in online classes. Individual instructors have sole responsibility to establish and communicate requirements for class attendance in each course syllabus, including for online classes.

Students who must miss class should communicate directly with their instructors regarding the class attendance policy. Misrepresenting an absence constitutes dishonest behavior under the Code of Student Conduct.

Students are responsible for all materials covered in a course, even if they are absent. Instructors should provide, within reason, an opportunity to make up work for students who miss class due to excused absences that include, but are not limited to: scheduled NCAA athletic event, academic event/performance/professional conference or meeting in which the student is a University-approved participant, military duty (<https://catalog.sru.edu/academic-policies/military-absence-policy/>), jury duty, appearance at a required legal proceeding, or circumstance(s) covered under a Federal mandate. Other examples of appropriate situations to be recognized as excused include: auto accident, death of a loved one, or a medical emergency.

Students who miss class due to short-term illness, injury, or hospitalization may request written verification from Student Health Services. Prolonged illness or extraordinary circumstances such as the death of a loved one, military deployment, or other major life event must be reported to the Dean of Students, which notifies the student's instructor(s) of the absence. These notifications do not constitute an

"excuse" for an absence but rather are designed to make instructors aware of conflicts impacting a student's attendance. A student absent for a significant time should consult with their adviser before deciding whether to continue in a class or classes.

Academic Advisers (Undergraduate)

Academic advisers are assigned in the freshman year by the students' major department or the Exploratory Studies and Academic Progress Department, who assign academic advisers to Exploratory students. Some departments may reassign their students to different academic advisers during the students' tenure at the University.

It is the academic advisers' responsibility to aid their advisees with their academic and educational plans. The advisers are not responsible for making certain that their advisees graduation requirements have been met. This is the sole responsibility of the students.

Academic Certificates

Slippery Rock University offers certificates at the undergraduate and graduate levels. A certificate is a statement of recognition on the academic record that highlights an organized set of courses or short program of study, with specific learning outcomes, not culminating in a degree. Certificates are not the same as certifications or licenses, which typically are awarded by a third party outside the University.

The Undergraduate Certificate Declaration form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) can be located from the Academic Records and Registration Forms page. Please visit the Graduate Admissions webpage (<https://www.sru.edu/admissions/graduate-admissions/requirements-by-program/>) for information about Graduate Certificates.

Undergrad

Department's establish which courses count toward an academic certificate subject to the following limitations.

- The certificate will have a minimum of 12 undergraduate credits.
- At least six credits must be completed through SRU.
- To earn a certificate, students need a 2.0 or higher **cumulative** GPA in their certificate courses.
- No more than six certificate credits may share with the first undergraduate major; no more than nine certificate credits can be shared with an undergraduate minor (if applicable).
- Courses counted in a certificate can also be used to satisfy the Liberal Studies/Rock Studies requirements.
- No course needed for the certificate may be taken Pass/Fail.
- Students may earn more than one certificate.

Graduate

Department's establish which courses count toward an academic certificate subject to the following limitations.

- The certificate will have a minimum of 9 graduate credits.
- At least six credits must be completed through SRU.
- To earn a certificate, students need a 3.0 or higher **cumulative** GPA in their certificate courses.
- All graduate certificate credits may share with the graduate major.
- No course needed for the certificate may be taken Pass/Fail.

- Students may earn more than one certificate.
- Individual certificates at the graduate level may have additional requirements regarding application of transfer credit and age of credit.

Certificates may be completed as part of a full degree program, or may be completed as a non-degree student. Students completing certificates as non-degree students are not eligible for financial aid.

Academic Complaints

Students who want to file an appeal concerning their grades or any other academic matter should first contact their instructor to seek a resolution. If no agreement can be reached with the instructor, students should contact the appropriate departmental chairperson, then the appropriate dean. Further appeal is to be directed to the Provost and Vice President for Academic Affairs, Chief Academic Officer. For more information, please see to the university's Grade Appeal Policy (p. 1195) page from this catalog and the Academic Complaint (<https://www.sru.edu/offices/academic-affairs/syllabi-policies/>) brochure located on the university's Syllabi Policies page.

Academic Integrity

This policy applies to all Slippery Rock University students except students in those academic programs that have program-specific academic integrity policies, such as the Doctor of Physical Therapy Program, Doctor of Occupational Therapy Program, Physician Assistant Studies Program, and the Doctor of Education in Special Education Program. These programs have different academic integrity policies due to accreditation agency requirements or related Pennsylvania of Department of Education requirements. Students should refer to their student handbooks for policies and procedures specific to their programs.

Violations of the Academic Integrity Policy by student organizations, and any incidents involving individual students that violate the Academic Integrity Policy and other University policies, including the Student Code of Conduct, will be referred to the Office of Student Conduct for handling under the Student Code of Conduct hearing procedures. In such matters, sanctions outlined in this Policy may be included with the sanctions imposed by the student conduct hearing board.

PURPOSE

This policy establishes the University standards and expectations for academic integrity, as well as the procedures for charges of academic dishonesty.

ACADEMIC INTEGRITY EXPECTATIONS

The value of a University education is determined by the quality and character of the University's students and graduates. Therefore, all University community members are expected to uphold the academic integrity standards embodied in this policy when engaging in academic or scholarly pursuits. All students are expected to demonstrate their mastery of subject matter in an honorable and straightforward manner in compliance with established standards and norms, and without improper use of the works of others.

It is expected that students will meet the following standards:

- Because we seek constant new learning in each course, all academic work, including, but not limited to, papers, creative projects, computer

programs, assignments, and tests, must consist of their own original work and not that from other coursework (unless the faculty member approves an exception) or from other students or other authorities not cited in full accord with an appropriate citation style (APA, MLA, CBE, etc.) consistent with the academic discipline or the instructor's directions.

- Students are expected to be honest in all academic work.
- Students are responsible for understanding the difference between the generation of their own work and using artificial intelligence in the generation of work. It is the student's, not the faculty member's, responsibility to ensure that use of artificial intelligence is appropriate to the context of the course.
- Students are expected to function as such, including, but not limited to, attending class regularly and completing all assignments and examinations on their own unless the faculty member notes otherwise.
- Students are expected to learn, practice, and apply standard techniques for accurately citing resource material. It is the student's, not the faculty member's, responsibility to ensure that all material is cited.
- Students are expected to know the difference between direct quotations and paraphrases. No one choice between direct quotations and paraphrases is inherently "better," but if one does choose to paraphrase, then the essence of the text should be conveyed FULLY in the student's own words and sentence structure. Citation of the IDEA is required regardless of whether a student quotes or paraphrases.
- Students are expected to understand basic principles of respect and compliance with intellectual property law. Particularly important are those aspects of the Copyright Law of the United States that apply to academic and creative work as well as to the use of university computer resources.

VIOLATIONS DEFINED

A violation of the Academic Integrity Policy occurs where a student intentionally: engages in deceit or misrepresentation for the purpose of influencing the grading process or obtaining academic credit; engages in behavior that breaches applicable professional standards; or assists other students in evading or violating the University's Academic Integrity Policy.

Academic dishonesty may take many forms. Examples include, but are not limited to, the following:

- Buying, selling, or trading papers, projects, or other assignments.
- Using or attempting to use any unauthorized book, notes, or assistance (for example, copying another student's test or homework).
- Knowingly plagiarizing and/or submitting the work of another as your own.
- Completing class work for another person.
- Fabricating information, research results, or citations.
- Facilitating the intentional dishonest acts of others pertaining to academic work.
- Conducting research with human subjects without IRB approval.
- Conducting research with animals without IACUC approval.
- Possessing or sharing unauthorized examinations.
- Submitting, without instructor permission, work previously used.
- Tampering with the academic work of another person.

- Recording an instructor's teaching content and/or distributing a professor's teaching content without permission.
- Ghost-taking an exam in place of a student or having any person take an exam in your place.
- Any attempt to falsify an assigned grade on an examination, report, or program or in a grade book, document, or other record.
- Any attempted, or actual computer program theft, illegal use of software; illegal downloading or streaming of copyrighted media, or inappropriate use of the Internet; such as, but not limited to, illegal or unauthorized transmission; or improper access to any computer system or account.
- Any attempted, or actual, collusion willfully giving or receiving unauthorized or unacknowledged assistance on any assignment or examination (all parties are considered responsible).
- Forging a faculty member's or administrator's signature on any document.
- Copying and pasting digital media (including but not limited to, email correspondence, text, images, or other media from online sources) without proper citation, the copyright owner's permission to use the digital media, or evidence of having performed a favorable fair use analysis.
- Copying and pasting significant portions of digital media with or without citation.
- Submitting work **generated** by artificial intelligence as your own.

PROCEDURES FOR DISPOSITION OF ALLEGED VIOLATIONS

Initial Meeting

When faced with a suspected or reported academic integrity violation in the classroom, faculty will promptly inform the student of the alleged violation and will engage the student in the following process within 14 calendar days:

- a. The faculty member will gather information, including documents or information provided by others, and schedule a meeting (virtually or in person) with the student.
- b. During this meeting, the faculty member will share the information gathered indicating that an alleged violation has occurred **and** provide the student with an opportunity to respond to the information. Accepting the meeting with the faculty member, **is not** an indication of agreement by the student that the alleged academic integrity violation has occurred. Students should bring evidence or documentation that supports their perspective. This meeting is limited to the faculty member and the student. No audio or video recording of the meeting is allowed.

Please Note: If the student refuses to attend the meeting, or fails to respond to the email notification without reasonable excuse, the faculty member will proceed with their review of the alleged academic integrity violation. A student alleged to have violated the Academic Integrity Policy may not avoid review and disposition of the alleged violation by withdrawing from the course or refusal to respond.

Faculty Review

The faculty member will review the information gathered, including any response and information provided by the student during the initial meeting, **along with due consideration of the intentionality**

of the alleged violation, and will take one of the following actions within five (5) calendar days of the meeting date:

- a. Find that no Academic Integrity violation has occurred and close the Academic Integrity Violation process. No academic sanction is applied. The student will be notified of the finding; or
- b. Find that an Academic Integrity violation has occurred and impose an academic sanction. A faculty member may impose a negative finding where the evidence supports a finding that a violation occurred and the faculty member believes, in their discretion, that no further response or information is required. Sanctions may include one or more of the following that are at the faculty member's discretion:
 - Verbal warning
 - Developing a remediation plan for educational intervention
 - Re-examination, re-writing the paper, re-producing the assignment by the student
 - Reduction in grade/score for the examination, paper or assignment
 - Assigning a failing grade for the assignment
 - Assigning a failing grade for the course

Where the faculty member finds a violation, they must electronically submit an Academic Integrity Violation report (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsecure.sru.edu%2FdocuSign%2Facademicintegrityds%2FFaculty%2FAIViolation&data=05%7C02%7Cchristine.agostino%40sru.edu%7C2bd1dc641e70432e4aae08dbfb49644a%7C86555dba073b4ff7b7d1b73a77c5bd92%7C0%7C6383800648581162%7CTWfPbGZsb3d8eyJWljoIMC4wLjAwMDAiLCJQljoIV2luMzliLCJBTil6Ik1haV%7C3000%7C%7C%7C&sdata=hun8LzmjEaDyXDIT%2F5s%2Fz%2BZWf7uPxPFFRIZQcNqZq2A%3D&reserved=0>), the following individuals will be informed of the finding and the sanction: the student; Chair of the student's major program; Chair of the department the course is housed; the student's academic adviser; the Dean; Office of Student Conduct. The student will receive an electronic notification informing them of the finding, the sanction, and their appeal rights.

APPEALS

A student may appeal the finding and/or sanction of a charged violation of the Academic Integrity Policy by responding to the electronic notification. Absent extraordinary circumstances, appeals must be submitted within seven (7) calendar days of transmission of the finding to the student. The student must submit their appeal electronically using the link provided in the finding notification. **If a student does not submit an appeal of the finding notification within (7) calendar days of the transmission of the finding, the finding and the sanction are final.**

There is only one level of appeal on academic integrity matters. No further appeals will be permitted. Where an appeal is filed, the finding and sanctions are stayed pending the appeal decision.

The student must set forth the reason for the appeal and the requested relief. Appeals are directed to the Academic Integrity Review Board (AIRB) for decision.

The Academic Integrity Review Board ("the Board") is comprised of up to five members: the Associate Provost (or other designee appointed by the Provost); Dean of the College where the course is located, or other

college dean; and three faculty members selected by the Provost from a list of faculty (5) elected by the local APSCUF unit, or if elected faculty are unavailable a college dean, whenever a board needs to be convened for a hearing. The Board will not include a referring faculty member. Only the AIRB reviews appeals.

Appeals may be made on any of the following grounds:

- A procedural irregularity under the Academic Integrity Policy or procedures that affected the finding.
- New evidence that was not reasonably available through the exercise of reasonable diligence at the time of the scheduled meeting with the faculty member that could affect the outcome of the alleged violation. Where an appeal is sought on this basis, the student must submit an explanation using the text box, identifying the new evidence and explaining how it would have affected the outcome.
- The faculty member had a conflict of interest or bias for or against the student that affected the decision.
- The academic sanction imposed was grossly disproportionate based on the student's academic record and the alleged violation in the course.

Upon receipt of the appeal, the Associate Provost will review the appeal to determine timeliness, completeness, and appropriateness of the grounds for purposes of accepting the appeal. Appeals that are untimely, incomplete, or which raise a basis for appeal other than those permitted may be rejected.

If the appeal is accepted, the Associate Provost will convene a meeting with the AIRB to review the appeal, including the documentation, findings, and the sanction imposed.

Within seven (7) calendar days of the AIRB meeting, the AIRB will take one of the following actions:

- a. Uphold the decision of the faculty member and close the Academic Integrity Violation process. The student and faculty member will be notified of the finding; or
- b. Schedule a formal hearing on the alleged violation for the purpose of gathering additional evidence and making a finding on the alleged violation. The Associate Provost will communicate with the student to determine a mutually agreeable date and time for the hearing. The Associate Provost will send a written notice to the student confirming the date and time for the hearing, the matters to be reviewed at the hearing. If the student fails to respond to the request for a hearing date or fails attend the hearing, the hearing may proceed in the student's absence.

The AIRB members will identify one member to serve as the Chair during the hearing. The Chair has the responsibility and authority to maintain an orderly proceeding, including determining what evidence may be accepted for consideration by the Board.

The student may attend the Board hearing with an advisor. An advisor is defined as an individual who may be present to support a party throughout the conduct process. The Advisor may be a member of the University Community or other individual selected by the party. The Advisor may accompany the party they are supporting to any hearing or meeting that the party is required to attend. Each party is responsible for coordinating and scheduling with their choice of Advisor.

In all Academic Integrity matters the Advisor may communicate only with the party they are supporting and may not otherwise speak for, or on behalf of, the party. The Advisor may not be a party or witness in the matter.

The student must notify the Board Chair at least two (2) days in advance of the hearing of any advisor or additional information or witnesses that they wish to present at the hearing. The student's advisor may only consult and interact privately with the student, and may not address the board. Advisors who are disruptive to the process will be asked to leave the hearing, and the hearing will proceed in their absence.

All hearings are closed proceedings. The Board Chair may exclude witnesses from the hearing room until the appropriate time for their testimony. The Board retains the right to continue a hearing whenever necessary and appropriate. All matters upon which the finding will be based must be placed into evidence at the hearing.

Within 21 calendar days of the conclusion of the hearing, the Board will issue a written finding on the alleged violation, setting forth the facts and reasons for the finding.

The AIRB may take one of the following actions:

- Uphold the finding and the sanction imposed;
- Uphold the finding that a violation occurred, but modify the sanction as deemed appropriate by the Board;
- Reverse the finding on the academic integrity violation, enter a finding that no violation occurred, and remove the sanction imposed

In the event that the Board upholds a finding that a violation of the Academic Integrity Policy occurred, but modifies the sanction, the Board may impose the following sanctions:

- Developing a remediation plan for educational intervention.
- Re-examination, re-writing the paper, re-producing the assignment by the student
- Reduction in grade/score for the examination, paper or assignment
- Assigning a failing grade for the assignment
- Assigning a failing grade for the course

The following individuals will be informed of the Board's determination: the student; the Provost; the Associate Provost; Chair of the student's major program; Chair of the department the course is housed; the student's academic adviser; the Dean; Office of Student Conduct. No further appeal is permitted.

Violations of the Academic Integrity Policy by individual students or student organizations and **repeated violations of the Academic Integrity Policy, will be referred to the Office of Student Conduct for handling under the Student Code of Conduct hearing procedures.** In such matters, sanctions outlined in this Policy may be included with the sanctions imposed by the student conduct hearing board.

The following individuals will be informed of the Board's determination: the student; the Provost; the Associate Provost; Chair of the student's major program; Chair of the department the course is housed; the student's academic adviser; the Dean; Office of Student Conduct. No further appeal is permitted.

RIGHTS AND INTERPRETATION

This policy does not create rights in any person. This policy should be interpreted to have sufficient flexibility to be consistent with law and to permit the accomplishment of the purpose(s) of the policies of the University.

Presented to Academic Affairs Executive Council, December 7, 2011

Presented at Meet and Discuss, April 18, 2012

Approved by the Provost, July 27, 2012 Amended and approved by the Dean's Council, March 4, 2020

Amended and approved by the Dean's Council August 7, 2020

Amended and approved by the Academic Leadership Council December 5, 2023

Amended and approved by the Academic Leadership Council March 13, 2024

Academic Majors (Undergraduate)

All degree seeking students must declare a major. Students are responsible for meeting the major requirements in effect at the time they enter the university or change majors. When students leave the university and are later readmitted, they become responsible for meeting the major requirements in effect at the time they are readmitted.

If students would benefit from meeting a set of major requirements other than those in effect at the time they declared their major or were admitted/readmitted to the university, their adviser may request of the students' academic dean that a different set of major requirements be met.

At the time of enrollment or by the end of the sophomore year, students must select a major. The university encourages students to select during their early semesters the exploratory (undeclared) student status if they have uncertainty or apprehension about their choice of a major. If students desire to change their major, they must complete, with departmental chairperson's approval, the Major/Concentration Change form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) in the Office of Academic Records and Registration.

Using their criteria, faculty determine if a student may be admitted into their departments to pursue their major. Students may obtain these criteria from the departmental adviser or chairperson. Course requirements for a major may not be taken using a Pass/No Credit grade option. Students following "Rock Studies 2" requirements are not permitted to count any Integrated Inquiry course toward any major, minor, or concentration (including second major/minor/concentration). Students can share Thematic Thread courses with their second major/minor/concentration. Students following Liberal Studies or "Rock Studies 1" requirements should refer to their appropriate archived catalog.

Students may declare a second major by completing a Major/Concentration Change form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>). The requirements for all majors must be completed prior to the awarding of the student's first baccalaureate degree. Once graduated, students may not return and add additional majors to or drop majors from their undergraduate record. Students wishing to return to the university to earn a second degree may be admitted as a post baccalaureate student and must earn at least 30 new credits in their selected major program above and beyond their first undergraduate degree.

Students may earn two majors or two degrees simultaneously. Also, the university's modern language requirement is a bachelor of arts degree requirement and not a requirement of a major. Therefore, students earning a second major would not be required to complete the modern language requirement for the second major. However, students earning two degrees would be required to complete the modern language requirement if one of the degrees is a B.A.

All academic majors must consist of at least 30 credits; at least 50% of which must be completed at SRU or another PASSHE university and 50% of which must be at the upper division (numbered 300 or above).

Academic Minors (Undergraduate)

Slippery Rock University offers minors at the undergraduate level. A minor is a set of courses that meet specified guidelines and is designed to allow a sub-major concentration in an academic discipline or in a specific area within a discipline. The minor is recorded on the students' transcripts, providing the students have met all graduation requirements. Students wishing to add an Academic Minor to their record, must submit, with department chairperson's approval, the Minor Declaration Form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) to the Office of Academic Records and Registration.

POLICY

A department shall establish its own policy regarding which courses shall count toward an academic minor subject to the following limitations:

- The minor shall have a minimum of 18 credits.
- The minor shall have a minimum of 6 credits from SRU.
- The minor shall have a minimum of 6 upper division credits at the 300/400 level. (Exceptions to this one requirement may be made by the Chancellor on a case by case basis.)
- No course needed for the minor may be taken Pass/Fail.
- Courses counted in a minor can also be used to satisfy the Liberal Studies/Rock Studies requirements.
- At least 6 credits in the selected minor shall be outside the requirements/electives counted in the student's major/first concentration. All minor credits can share with a student's curriculum outside of the first major/first concentration.
- Students may not add, drop, complete, or declare a minor after graduation. The requirements for all minors must be completed prior to the awarding of the first baccalaureate degree. Once graduated, students may not return and add additional minors to their undergraduate record.
- Students may also elect more than one minor course of study.
- Students may be awarded more than one minor so long as they complete the requirements for each minor.

Students are typically responsible for meeting the minor requirements in effect at the time they enter the university or change majors. When students leave the university and are later readmitted, they become responsible for meeting the minor requirements in effect at the time they are readmitted. If students would benefit from meeting a set of minor requirements other than those in effect at the time they declared their minor or were admitted/readmitted to the university, their adviser may request of the student's academic dean that a different set of minor requirements be met.

Academic Restart (Undergraduate)

An undergraduate student who has been academically readmitted to the institution and is returning to the institution from an academic suspension or dismissal may apply for Academic Restart. Under Academic Restart, all Slippery Rock University grades and credits for courses taken prior to reinstatement to the institution will not be applied to grade point average or credits earned calculations. The student should contact Financial Aid to determine how his/her aid may be impacted by Academic Restart.

CONDITIONS

1. A student must sit out at least five years before being eligible for Academic Restart.
2. A student will be placed on provisional status for one semester of full time study, or until he/she has attempted 15 semester hours if attending part time. A student must achieve a minimum cumulative grade point average of 2.000 by the end of the period of provisional status. Failure to achieve the 2.000 minimum cumulative grade point average will result in permanent dismissal from Slippery Rock University.
3. All grades for courses taken prior to the point at which Academic Restart is granted will remain on the academic transcript and academic history. The grades and credits earned prior to the Academic Restart action will not be applied to grade point average or credits earned calculations.
4. A student may be reinstated only once under the provisions of the Academic Restart program.

PROVISIONS

1. If the student has attended other institutions since their withdrawal, suspension, or dismissal, transfer credits and credits by exam may be considered to meet graduation requirements. Official transcripts/score reports will be forwarded by Exploratory Studies and Academic Progress or the appropriate Dean's office to Transfer Admissions for formal evaluation and posting of credits to the degree audit.
2. A student who is reinstated under the provisions of the Academic Restart program retains the right to utilize course repeat options as specified by University policy.
3. An Academic Restart Request (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) is submitted for consideration to the Dean of the college or the Office of Exploratory Studies and Academic Progress. At the discretion of the College Dean, the request may be referred to the Office of Exploratory Studies and Academic Progress. The Dean of the college or the Office of Exploratory Studies and Academic Progress forwards a recommendation to the Provost and Vice President for Academic Affairs, Chief Academic Officer. Any exception to these procedures must be approved by the Provost and Vice President for Academic Affairs, Chief Academic Officer or designee.

Students must apply for Academic Restart through their College Dean's office or the Office of Exploratory Studies and Academic Progress. After applying, their previous academic record will receive a full review by the College Dean or the Office of Exploratory Studies and Academic Progress and the Provost and Vice-President for Academic Affairs, Chief Academic Officer or designee. Students can be re-admitted only once under the Academic Restart program. Academic restart can only be reversed if the student does not enroll at the institution.

PROCESS

Students interested in being considered for Academic Restart should do the following:

1. Submit the Readmission application (<https://www.sru.edu/academics/academic-services/readmission/>).
2. Submit the Restart Request form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>).
3. Submit official transcripts from all institutions attended after leaving SRU.
4. Submit a written narrative describing academic goals upon return to SRU as well as a plan to ensure academic success.

Students who were Exploratory at the time they left the University should submit this packet to the Exploratory Studies and Academic Progress Department. All other students must submit the packet to the Dean's Office of the major at the time they left the University.

Academic Standing Undergraduate

The Academic Deans determine the academic standing of all students at the end of each term. Academic standing is based on:

1. The student's cumulative grade point average (GPA);
2. The total number of credits for which the student has attempted prior to the review. The Attempted Credits also include transfer credits, "Credit by Exam" credits, and credits for repeated courses. It does not include credits for audited courses.

Students with a cumulative grade point average (GPA) of 2.00 or higher are in satisfactory academic standing. Students with less than satisfactory academic standing are subject to academic warning, probation, suspension or dismissal.

The following procedure applies to all students who do not meet the required minimum cumulative GPA as specified:

Attempted Credits (SRU, credit by exam, and transfer credits)	Cumulative GPA	Procedure
0.5 - 16.0	Below 2.000	Warning Letter
16.1 - 32.0	1.750 - 1.999	Warning Letter
16.1 - 32.0	Below 1.750	Probation Letter
32.1 or more	Below 2.000	Probation Letter
32.1 or more	Below 2.000	Suspension or Dismissal*

Academic Standards (<https://www.sru.edu/documents/academics/academic-services/academic-records/AcademicStandards.pdf>)

* Should a student earn 32.1 or more credits and be on probation from a previous term, action is suspension.

For purposes of suspension or dismissal, Fall and Spring are regular terms; Summer and Winter are not considered regular terms and thus will not result in immediate suspension or dismissal. Furthermore, a student cannot be suspended/dismissed at the end of any Fall or Spring

semester in which the student has earned a 2.000 or greater semester GPA, even if the cumulative GPA remains less than 2.000.

ACADEMIC PROBATION

When subject to academic probation, the student will be placed on probation for a minimum of one semester and will stay on probation until either suspended or until the cumulative GPA increases to 2.000 or above.

ACADEMIC SUSPENSION

1. **FIRST-TIME SUSPENSION:** Student(s) on academic suspension for the first time are not eligible to take classes for one regular term (fall or spring) thereafter. Students are suspended at the end Fall or Spring, and their registration in any courses for the next regular term will automatically be cancelled. Students who are suspended may, however, enroll in Winter or Summer courses in an effort to raise their cumulative GPA. If a student who has been suspended is enrolled in Summer or Winter classes, the student will be charged for those classes unless the student drops those course(s). Any suspended student who remains in Summer or Winter classes and sufficiently improves her/his/their cumulative GPA will have her/his/their academic standing re-evaluated for possible modification.
2. **SECOND-TIME SUSPENSION:** Student(s) on academic suspension for the second time will not be permitted to register for or attend classes for two regular terms. Summer and Winter terms do not count as a semester for suspension purposes, and undergraduate students who are suspended may enroll in Winter or Summer courses in an effort to raise their cumulative GPA. If a student who has been suspended is enrolled in Summer or Winter classes, the student will be charged for those classes unless the student drops those course(s).

READMISSION

Students who are placed on academic suspension for the first or second time and have an interest in returning to the University after sitting out for the one or two semester period will request readmission through the Office of Transfer Admissions (<https://www.sru.edu/admissions/readmission/>). Students should allow adequate time to process readmission requests (two weeks minimum).

ACADEMIC DISMISSAL

Student(s) recommended for a third academic suspension shall be dismissed and therefore ineligible to enroll in coursework at SRU for at least three years. After that time, requests for readmission can be made through the Office of Transfer Admissions (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fwww.sru.edu%2Freadmission&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa29c6d20f6748e3df4408de7f65c208%7C86555dba073b4ff7b7d1b7%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWU%3D&reserved=0>).

POST-BACCALAUREATE STUDENTS

The records of post-baccalaureate students with less than a 2.000 semester grade point average will be reviewed by their Dean for determination of an academic action of probation, suspension, or dismissal.

3/8/2023

Graduate

ACADEMIC PROGRESSION POLICY - PROBATION, SUSPENSION, AND DISMISSAL

Graduate students are admitted to specific graduate programs. Probation, suspension, and dismissal actions are taken when a student has not satisfied the university policy for graduate program academic progression requirements for good standing. The action is applied to the graduate program in which the student is enrolled.

The university policy for graduate program academic progression is provided below. Some graduate programs may have different academic progression requirements for good standing, probation, suspension, and dismissal. Exceptions to the university policy for graduate program academic progression include the following programs: Doctor of Physical Therapy Program, Doctor of Occupational Therapy Program, Physician Assistant Studies Program, Doctor of Education in Special Education, and the Master's Certification Degree Programs. Information regarding the academic progression policies for these programs is provided at the end of this policy statement. Additionally, readmission policies for these programs may also be different. A student enrolled in one of the graduate programs listed above should refer to the information provided to them through the academic department in which the program is offered.

UNIVERSITY GRADUATE PROGRAM ACADEMIC PROGRESSION REQUIREMENTS

A graduate student is on academic probation whenever the cumulative grade point average for all Slippery Rock University graduate courses is less than a 3.00. Satisfactory academic standing requires a cumulative grade point average of 3.00.

If the student's cumulative GPA drops below 3.00, the student shall be placed on academic probation. A student on probation must raise the cumulative GPA to at least a 3.00 by the end of the next semester (or full summer term) of registration. A student whose academic standing is unsatisfactory (less than 3.00 cumulative GPA) for two successive terms of registration (summers are included as "terms"), shall be suspended from the graduate program by their academic dean. Academic suspension and dismissal decisions are not made during winter intercession, unless winter intercession is a requirement of the program. In some cases, the readmission term may be dependent on the academic program's course sequencing structure.

A student who is suspended from a graduate program and has met the term requirements of suspension (one or two terms) may petition the dean of the college for readmission to the graduate program in which they were enrolled by completing the Graduate Application for Readmission Form (<https://uconn.edu/forms/majors/graduate/grad-app-form>). The form is initially processed through the graduate admissions office (website) and forwarded to the appropriate dean for readmission consideration.

A graduate student who is placed on academic probation, suspension, or dismissal from a graduate program may choose to apply to another graduate program at the University.

SPECIFIC GRADUATE PROGRAM ACADEMIC PROGRESSION REQUIREMENTS

Some programs (Doctor of Physical Therapy Program, Doctor of Occupational Therapy Program, Physician Assistant Studies Program, Doctor of Education in Special Education, and the Master's of Education Certification Programs) require different academic progression

standards for probation, suspension, and dismissal than listed above due to the requirements of an accreditation agency (ex. the Pennsylvania Department of Education) or other specific academic program requirements. Please refer to the resources listed below for the following programs:

Doctor of Physical Therapy (DPT) Program – Student Handbook
– Students receive a hardcopy of the DPT Handbook at orientation. The DPT Handbook and the DPT Clinical Handbook are also listed in the student portal, Exxat.

Doctor of Occupational Therapy (OTD) Program – Student Handbook
– Students receive a hardcopy of the OTD Handbook at orientation. Students are also sent an electronic copy of the OTD Handbook, on or before May 1, prior to orientation.

Physician Assistant Studies (MPAS) – Student Handbook – Students receive a hardcopy of the PA Handbook at orientation. A master copy of the PA Handbook is also located in the PA Office.

Doctor of Education in Special Education (Ed.D.) – Students receive a hardcopy of the Ed.D. Handbook at the annual meeting in May, each year. The Ed.D. Handbook is also available in the student D2L cohort shell.

Accelerated Three-Plus (3+) Program (Undergraduate)

What is an Accelerated Three-Plus (3+) Program?

An Accelerated Three-Plus (3+) bachelor's to graduate program permits accepted undergraduate students of freshman standing to declare a first and second major with the intent to complete graduate coursework that may apply to both Slippery Rock University (SRU) undergraduate and graduate programs. (Examples would include but are not limited to the Biology Pre-Physician Assistant (SRU) 3+2, Exercise Science Pre-Physical Therapy (SRU) 3+3, and Health Care Administration and Management Pre-Occupational Therapy (SRU) 3+3 programs).

What are the Provisional Graduate Admission Requirements for an Accelerated Three-Plus (3+) Program?

A student may be accepted into an Accelerated Three-Plus (3+) undergraduate program if they meet undergraduate admission criteria. Accelerated Three-Plus (3+) students must declare a first major in addition to the corresponding Accelerated Three-Plus (3+) undergraduate program (second major). (An example would include Biology-Professional (first major) and Biology-Pre-PA-SRU 3+2 (second major)).

- The Accelerated Three-Plus (3+) option is for first-semester freshmen or transfer military student only (restricted to fall-entry).
- Students must maintain the Accelerated Three-plus (3+) program's specified undergraduate GPA to continue in the Accelerated Three-Plus (3+) undergraduate program. This will be evaluated each semester and if a student's Accelerated Three-Plus (3+) GPA falls below the specified GPA, they will be removed from the Accelerated Three-Plus (3+) program and remain in the first major unless they process a "change of first major" form.

- Students must satisfy all Accelerated Three-Plus (3+) program requirements within three academic years from commencing the program.
- Students can only be enrolled in an Accelerated Three-Plus (3+) program for a maximum of three (3) years, full-time continuous enrollment (fall/spring).
- Accelerated Three-Plus (3+) programs require students to apply for the associated SRU graduate program separately from the undergraduate admission process. Admission to the SRU graduate program is not guaranteed.
- A final determination for SRU graduate program admission is independent of the undergraduate admission process and shall be in accordance with each SRU graduate program's established policies, standards, and procedures.

What are the Standards for an Accelerated Three-Plus (3+) Program?

- For SRU graduate credits to satisfy undergraduate program requirements, students must apply and be formally admitted to the respective SRU graduate program in accordance with that program's admissions criteria; then complete the required undergraduate degree coursework (a minimum of 120 credits though some programs may require more). Please refer to the Undergraduate Catalog.
- To continue in the SRU graduate program, students must meet the graduate program's academic standards. Please refer to the relevant graduate program guide.
- If the student does not meet the academic standards to progress in the SRU graduate program for courses needed to complete their undergraduate program, the undergraduate program Department Chairperson will determine which, if any, ARU graduate courses will count toward the completion of the undergraduate degree. Additionally, student must complete any unfulfilled requirements of their undergraduate major.
- Grades earned in SRU graduate courses as part of the Accelerated Three-Plus (3+) Program will be entered into the student's overall undergraduate and graduate grade point averages.
- Degree requirements at both the undergraduate and graduate levels shall adhere to academic standards set forth for respective degree programs.
- Undergraduate credits may not be applied to satisfy the requirements for the graduate degree.
- The requirement of at least 48 credits of advance coursework required for a baccalaureate degree, and at least 50 percent of coursework (excluding thesis, research, or internship hours) to complete a master's degree must still be satisfied.
- Undergraduate student in their 4th year of an Accelerated Three-Plus (3+) program are eligible for undergraduate financial aid and renewable scholarships however, they pay graduate tuition.
- Undergraduate student in their 4th year of an Accelerated Three-Plus (3+) program will not be eligible for graduate financial aid until they complete their bachelor's degree.

Admission To Degree Candidacy (Graduate)

To be admitted to degree candidacy, the applicant must maintain a minimum cumulative quality point average of 3.0 on a 4.0 scale for all graduate courses completed at Slippery Rock University, be

unconditionally admitted to graduate studies, and meet all specific program admission requirements.

After being unconditionally admitted to graduate studies and meeting program requirements, a student must file an Application for Degree Candidacy if required by the department. The application must be filed after the completion of a minimum of 6 and a maximum of 12 or 18 graduate credits, depending upon departmental requirements. The Application for Degree Candidacy may be obtained from [sru.edu/admissions/graduate-admissions](https://www.sru.edu/admissions/graduate-admissions/) (<https://www.sru.edu/admissions/graduate-admissions/>) under graduate forms, the Office of Graduate Admissions or a graduate coordinator. It includes a program sequence planned by the student with the assistance of an adviser.

Students who have not been approved for degree candidacy and have earned 12 graduate credits (18 graduate credits for students in Counseling and Development) will not be permitted further registration until this requirement has been met. Grades earned by graduate students in undergraduate courses are not included in the graduate grade point average calculation and may not be used to meet any graduate degree requirements.

Application for Certification (Graduate)

Students who meet requirements for, and wish to obtain a Pennsylvania Department of Education (PDE) certificate in School Counseling, Reading Specialist, Secondary Education, Special Education, Special Education Supervision, Principal or a Pennsylvania Department of Education endorsement in Creative Movement, Instructional Coaching, Gifted, Autism, or Online Instruction will need to apply for the appropriate credential through the PDE's Teacher Information Management System (TIMS) and pay the application fee determined by PDE. Candidates should contact their academic adviser for additional details about the process.

Applying For Graduation

Application For Degree Conferral

To be a candidate for graduation (whether or not you choose to walk in the ceremony), students must initiate an application for degree conferral. This application notifies the university of the student's intent to complete a degree.

Students must fulfill all requirements for the degree in accordance with the regulations of both their program(s) and the university. Failure to meet all graduation requirements by the end of the term in which the student applied to graduate will result in extending the student's graduation date to the end of the term in which the work or requirement is eventually completed. Failure to complete degree requirements may include but are not limited to the following: incomplete grades in any course, "X" grades in required courses, or no graduation application.

When To Apply For Graduation

A student is responsible for applying to graduate on MySRU and must submit their application by the following deadlines:

- If the student plans to complete all degree requirements by the end of the fall term, applicants must apply for graduation by October 1.

- If the student plans to complete all degree requirements by the end of the winter term, applicants must apply for graduation by October 1.
- If the student plans to complete all degree requirements by the end of the spring term, applicants must apply for graduation by March 1.
- If the student plans to complete all degree requirements by the end of the summer term, applicants must apply for graduation by June 15.

Commencement Ceremony

A commencement ceremony is held in December and May of each year.

- Participation in the December ceremony is limited to those students who will complete their degree requirements in fall or winter. To ensure the student receives ceremony tickets and for their name to be included in the program, the student must apply by October 1.
- Participation in the May ceremony is limited to those students who will complete their degree requirements in spring or summer. To ensure the student receives ceremony tickets and for their name to be included in the program, the student must apply by March 1.
- Participation in any commencement ceremony is limited to degree-seeking students.

When extenuating circumstances warrant, the Associate Provost may grant a student permission to participate in a commencement ceremony.

- Students must initiate their commencement participation request through the Participation in Graduation Ceremony Exception Form. This form is available through DocuSign found on the Forms page on the Academic Records & Registration website.

Other Items Graduating Students Need to Know

- Students who simultaneously meet all of the degree requirements for two undergraduate degrees will obtain two degrees.
- The student's transcript will list both degrees.
- The student will be issued two diplomas, one for each degree earned.
- A student who completes the requirements of more than one concentration within a single degree program (for example, a student pursuing a BFA in Art who completes all of the requirements of concentrations in Ceramics and Painting) has completed a "dual concentration" and has earned a single degree, not two degrees.
- Undergraduate diplomas bear the name of the degree (ex. Bachelor of Science), date of graduation, and Latin honors, if earned. Diplomas do not include majors or minors.
- Graduate diplomas bear the name of the degree (ex. Master of Science) and date of graduation.

Auditing Courses (Undergraduate)

Students desiring to audit courses (no credit awarded) must receive approval of their adviser. Normal registration procedures must be completed, then a form to have the grade option changed must be submitted to the Office of Academic Records and Registration. The cost of auditing courses and taking courses for credit are the same. Students may not change from an audit status to a graded status (A-F and P/NC) or vice versa after the second week of the fall and spring semesters.

Grade option deadlines vary for summer and winter sessions. Since no credit is awarded, audited courses do not meet any graduation requirements.

A student may audit a class in which they have previously received credit.

The same policy above applies; the student must complete a grade option form and submit the same no later than the second week of the fall or spring semester. The student will be charged tuition for the course, but will not earn additional credit. The student's original grade will be the grade of record and be the grade used in the student's GPA calculation.

Graduate Courses cannot be audited.

Change of Major (Undergraduate)

Forms for changing majors may be obtained from the forms link (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) on the Academic Records & Registration web page. Students are reminded that they must meet the major academic requirements that are in effect at the time they declare a new major. To change your major, you must first obtain the new department chairperson's signature.

Class Level (Undergraduate)

Undergraduate students are classified according to the number of semester credits completed, including transfer credit and credit by exam.

Class Level	Credits Earned
Senior II	105 semester credits or more
Senior I	90-104 semester credits
Junior II	75-89 semester credits
Junior I	60-74 semester credits
Sophomore II	45-59 semester credits
Sophomore I	30-44 semester credits
Freshman II	15-29 semester credits
Freshman I	0-14 semester credits

Class level questions are to be directed to the Office of Academic Records and Registration.

Comprehensive Examinations (Graduate)

A comprehensive examination or evaluation may be required of candidates in accordance with policies determined by the student's major department or school. The comprehensive examination or evaluation must be completed by the deadlines set by the department.

Course Drop, Add, Withdrawal

Open fall and spring full-semester courses may be added on MySRU during the first 8 days (including weekends/excluding holidays) of classes. Courses dropped during the first 8 days (including weekends/excluding holidays) of the semester will not be recorded on students' permanent records. During the fall and spring semesters, students may not drop their last class on My SRU and should contact the Office of Academic Records and Registration for assistance. Students may withdraw from fall and spring full-semester classes with a grade of "W" between the second and tenth weeks of the semester. Students will not be permitted to withdraw from full semester classes after the tenth week and will be held accountable and awarded a final grade for all

coursework, exams and other work assigned during the final five weeks of the semester. For fall and spring courses meeting fewer than 15 weeks, and all summer and winter courses, the withdrawal deadline is two-thirds of the way through the course's beginning and ending dates.

Students desiring to add closed sections or courses for which they lack the appropriate pre/corequisites will have to secure the permission of the course's professor.

Students may use MySRU or drop/add forms (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) to drop classes anytime after they have registered until the end of the eighth day of the fall or spring semesters (except for Basic Requirement / The Rock / Beginning Algebra). After the eighth day of the semester, students must use the DocuSign withdrawal form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>), which require the signature of the professor of the course and the student's adviser.

Students who for exceptional reasons, are permitted to drop, add, or withdraw from classes after the university's stated deadlines must receive their respective dean's approval.

Failure to withdraw officially from a course may result in the assignment of a grade of "F".

Course Information (Graduate)

Course Levels

500-Level Courses

A maximum of twelve 500-level course credits may be counted toward master's degree requirements. Some departments/programs may choose to allow less than the maximum. Courses numbered below 500 do not bear graduate credit and may not be used toward the completion of a master's degree.

600-Level Courses

Courses numbered 600 and above are for graduate credit only.

Undergraduate students requesting special permission to take graduate classes may not count the credit towards the completion of an undergraduate degree.

Dual-Numbered Courses

Graduate credit may not be earned in a dual-numbered course if undergraduate credit was earned in a course with the same title (some exceptions apply).

Student Load

Nine to 12 semester hours are usually considered a normal load for full-time graduate students. Students who wish to carry more than 15 semester hours of credit in the fall, spring, or summer terms require authorization from their graduate coordinator. Students may not register for more than 7 credits during the winter session. No graduate assistant is permitted a tuition waiver for more than 9 graduate credits per semester, depending upon the major.

Workshops

A maximum of six semester hours of credit earned in graduate workshops may be applied to degree requirements.

Course Levels

The following course numbering system is used:

- 100-199 are freshman-level courses
- 200-299 are sophomore-level courses
- 300-399 are junior-level courses
- 400-499 are senior-level courses
- 500-899 are graduate level courses

Registration into the course levels is dependent on the following:

- Undergraduate students must have earned at least 45 credits before enrolling in 300+- level courses.
- Juniors and seniors having a 3.000 cumulative grade point average may enroll in 500-level graduate courses for undergraduate credit with approval of their dean. See Academic Records Forms page (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) for form.
- Only seniors, with their dean's permission, are permitted to register for graduate credit in 500 and 600-level graduate courses. See Academic Records Forms page (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) for form.
- Post-baccalaureate students may take 500-level courses for undergraduate credit.
- Post-baccalaureate students may take, with the permission of the dean of their college, 500 or 600 level courses for graduate credit. See Academic Records Forms page (<https://www.sru.edu/academics/academic-services/academic-records/forms/>) for form.
- 600-899 level courses may not be taken for undergraduate credit.
- Only students enrolled in 4+ programs may count up to six graduate credits toward their undergraduate degree.
- 700+ level courses are reserved for graduate students only.

Credit By Examination (Undergraduate)

Students may qualify to earn a maximum of 45 credits by making satisfactory scores on tests administered through special examination programs, and thereby earn credit or be exempt from certain college courses. Students may not repeat a course by using Credit by Examination. Credits earned by examination may not be used as part of the students' final 30 credits to be earned at the university. For further information please go to the Office of Academic Records and Registration Credits by Exam web page (<https://www.sru.edu/academics/academic-services/academic-records/credit-by-examination/>).

- An AP course itself does not guarantee college-level equivalencies. Students must take and successfully pass the AP exam for the appropriate course, with a score of 3 or higher, to receive university credit. Exam scores determine appropriate placement of coursework toward degree requirements. Some academic departments require a score of 4 or 5 to earn major-specific equivalencies. An official AP score report will need to be sent from College Board to Slippery Rock University. For a preview of how AP exams are accepted at SRU, click on AP Course Equivalencies (<https://www.sru.edu/documents/admissions/transfer/APEquivalencyChart.pdf>).
- Departments at the university offer credit by examination for some courses. Approval for these tests should be secured from the faculty

adviser, instructor, and appropriate departmental chairperson. A "Credit by Exam" form is available in the Office of Academic Records and Registration for students wishing to avail themselves of the university's Credit by Exam program.

- The College Level Examination Program (CLEP) is administered by The College Board. This program is open to all students who meet the eligibility criteria. Under the program, students who feel their knowledge of certain subjects is extensive may elect to take the CLEP exams, which are of two types: general and subject. The general examinations are designed to reflect the learning that ordinarily takes place in the students' first two years of college. The subject examinations are designed to reflect the more specific knowledge which students may have acquired. General examinations each carry 6 credits. Subject examinations each carry 3-4 credits. Upon successfully passing an examination with a score at or above the American Council on Education's recommended minimum score, students will receive credit for the corresponding course(s), which permits registration in more advanced courses. Information on CLEP is available from the Office of Academic Records and Registration and at the following website: www.collegeboard.com/clep (<http://www.collegeboard.com/clep/>)
- The university also awards credit for a limited number of Excelsior College, ACT (PEP: Regents College) exams and DSST exams offered by the Armed Services. Students may contact the Office of Academic Records and Registration for a list of acceptable Excelsior, PEP and DSST exams.

Credit For Military Service (Undergraduate)

Slippery Rock University awards undergraduate college credit for military education and occupational training based on the recommendation of the American Council on Education (ACE), which is outlined in the ACE Military Guide (<https://www.acenet.edu/Programs-Services/Pages/Credit-Transcripts/military-guide-online.aspx>).

Students will be considered for military credit by forwarding a Joint Services Transcript (JST) or a transcript from the Community College of the Air Force (CCAF) to the Transfer Admissions Office at the University.

Graduate students, please see the Graduate Student Transfer Credit Policy (p. 1210) in the catalog.

Credit Hour

All courses offered for credit at Slippery Rock University (SRU) toward the completion of a degree and/or certificates are in line with applicable state and federal regulations related to the assignment of credit hours. The following credit hour policy is based on the guidelines set forth by the PASSHE Board of Governors Policies, System Academic and Financial Procedures and Data Collection Definitions: Reference Number, SA-040. PASSHE Policy: Policy 1990-06-A: Academic Degrees, 1985-01-A: Requirements for Initiation or Change of Credit-Based Academic Programs, Policy 1999-01: The Academic Passport and Student Transfer Policy. (http://www.passhe.edu/inside/policies/BOG_Policies/Policy%201990-06-A.pdf)

This policy will be reviewed every three years to ensure continued relevance and alignment with University goals by the Academic Policy Review Committee.

Credit Hour Assignment

Slippery Rock University's academic year is divided into Fall and Spring semesters of approximately 15 weeks each. Summer, winter and special accelerated sessions may vary in length. A credit hour at Slippery Rock University reflects the Carnegie unit, what has served as the traditional unit of measure in higher education. One semester credit is equivalent to one hour (50 minutes) of faculty instruction one time per week for 14 weeks (for a total of no less than 700 minutes) along with 120 minutes for the final examination, and a minimum of two hours of student preparation time outside of the classroom each week per credit hour. A typical 3 credit hour course will meet 2,220 minutes.

An equivalent amount of work is required for lectures, laboratory work, internships, practicum, studio work, accelerated, hybrid and online education, and other academic work leading to the award of credit hours. Departments may determine contact time over the minimum requirements as needed to achieve student learning goals and maintain compliance with programmatic accreditation bodies.

The Institution's University Curriculum Committee (UCC) provides a systematic review, evaluation, and change of the curriculum at the university level, in compliance with the APSCUF Collective Bargaining Agreement (CBA). Assignment of credit hours for courses are determined by the faculty and program administrators based on expertise, learning objectives, and programmatic accreditation requirements. UCC is charged with review of all courses and curricula. Reviewed courses are sent to the Office of the Provost and once approved are sent to the Office of Academic Records and Registration for inclusion in the course catalogs. Academic Records reviews each schedule course to ensure that credit hours assigned meet the minimum number of minutes required. Discrepancies are brought to the attention of the appropriate Academic Dean/Department for correction or clarification.

Credit Hour Assignment by Course Type

Lecture and Seminar—courses with multiple students that meet to engage students in various forms of group instruction. These courses are generally awarded 1-3 credit hours and meet for 700 minutes (plus 120 minutes final exam time, for a total of 820 minutes) and 2100 minutes (plus 120 minutes final exam time, for a total of 2220 minutes).

Laboratory—1 credit science labs included in the Liberal Studies requirement meet for a minimum of 75 minutes per week. Within the sciences labs associated with majors meet for a minimum of 110 minutes per week. Departments/programs may set higher standards in accordance with professional organization and accreditation bodies.

Internship, Practicum, Field Experience, & Student Teaching—3-12 credits hours with the minimum standard of 40 clock hours per credit hours.

Studio and Lessons—Departments may Departments/programs may set standards in accordance with professional organization and accreditation bodies.

- Visual art studio courses award one credit hour for a minimum of one hour and fifty-five minutes of scheduled supervised studio work. A 3 credit studio class would meet for a minimum of 4,620 minutes of class time with a 120 minute final exam/experience for a total of 4,740 minutes during a 15 week semester.
- Music lecture/seminar courses are awarded 3 credits consistent with the above stated minimum of 2,220 minutes per 15 week semester inclusive of the 120 minute final exam/experience.

- Music courses awarding 2 credits meet for a minimum of 1,520 minutes per 15 week semester inclusive of the 120 minute final exam/experience. Music courses awarding 1 credit (ex. Class Piano) meet for a minimum of 1,520 minutes inclusive of the 120 minute final exam/experience. Performing ensembles meet for differing lengths of time, ensembles are awarded one credit meet for a minimum of 1,470 minutes inclusive of the final exam/experience.
- Applied Instruction in Music (lessons) are awarded one credit, and students receive ½ hour weekly instruction per week, for a total of seven individual instructional hours during a 15 week semester. This contact is in addition to the time spent in studio and master classes. Music performance majors are awarded three credits, and students receive one hour of weekly instruction per week, for a total of 15 individual instruction hours during a 15 week semester.

Independent Study/Individualized Instruction – Courses delivered through these methods are required to meet the same credit hour guidelines and learning outcomes as traditional course delivery options.

Accelerated Courses – Any courses offered outside of a standard 15 week semester with equivalent learning outcomes and course content must meet an equal minimum amount of instructional and out of class student work to as the examples above within an accelerated time frame.

Hybrid/Blended Courses – Any courses offered in a blended format with a minimum of 1 on-site face-to-face class sessions and a minimum of one online session, both with direct faculty contact. In all instances, these courses must meet the total amount of instructional and out of class student work as courses offered through traditional delivery methods.

Online Courses – Any courses offered exclusively online without any face-to-face meetings. These courses have the same learning outcomes and substantive components with an alternative delivery method. Contact time is satisfied through a variety of online interactions and assignments. In all instances, these courses have learning outcomes that meet the total amount of instructional and out of class student work time as courses offered through traditional delivery methods.

Out of Class Student Expectations – For each credit hour earned, students should expect to spend a minimum of 100-150 minutes preparing/studying outside of class.

Transfer Credits - Transfer credits are evaluated by university administrators following the guidelines of the Middle States Commission on Higher Education, the Pennsylvania State System Board of Governors and program specific accreditation body requirements. Transfer policies (<https://www.sru.edu/admissions/transfer-and-military-admissions/transfer-process/>) and transfer course equivalencies (<https://www.sru.edu/admissions/transfer-and-military-admissions/transfer-credit-evaluation/>) are detailed on the university web site.

Instructional Contact Time – The measure of instructional contact time may be adjusted to reflect different formats of study or length of academic sessions as per the APSCUF CBA. These adjustments are reflective of the intended student learning outcomes and established equivalencies of the semester credit hour set by the institution and reasonably reflect the requirements established by MSCHE.

Credit Hour Definition Guidelines

Slippery Rock's policy also aligns with the following definitions and guidelines from the Commonwealth of Pennsylvania, the US Department

of Education, and the Middle States Commission on Higher Education Accreditation.

United States Department of Education (USDE)

The definition as published in the regulations is as follows:

"Credit Hour. Except as provided in 34 CFR 668.8(k) and (l), a credit hour is an amount of work represented in intended learning outcomes and verified by evidence of student achievement that is an institutionally established equivalency that reasonably approximates not less than –

1. One hour of classroom or direct faculty instruction and a minimum of two hours of out of class student work each week for approximately fifteen weeks for one semester or trimester hour of credit, or ten to twelve weeks for one quarter hour of credit, or the equivalent amount of work over a different amount of time; or
2. At least an equivalent amount of work as required in paragraph (1) of this definition for other academic activities as established by the institution including laboratory work, internships, practicum, studio work, and other academic work leading to the award of credit hours."

Middle States Commission on Higher Education Accreditation (MSCHE)

The Commission's Requirements of Affiliation stipulate that accredited institutions comply with all Federal, state, and other relevant government policies, regulations, and requirements, which generally include requirements and expectations for degrees. The Commission's accreditation standards, particularly Standards 11 (Educational Offerings) and 14 (Assessment of Student Learning), require evidence of:

- academic study of sufficient content, breadth, and length;
- levels of rigor appropriate to the programs or degrees offered;
- statements of expected student learning outcomes that are consonant with the standards of higher education and of the relevant disciplines;
- direct evidence of student learning; and
- assessment results that provide sufficient, convincing evidence that students are achieving key institutional and program learning outcomes.

MSCHE Credit Hour Policy

Commonwealth of Pennsylvania, Pennsylvania Code, Title 22, Subpart C, & 31.21

1. The curricula must provide the opportunity for the achievement of the stated objectives of the institution, as related to its statement of philosophy and mission, and must be structured in a group of coherent, integrated degree programs.
2. Degree requirements stated in this section may be stated in terms of semester credit hours or quarter credit hours, as determined by the institution and conforming to generally accepted academic practices. General education, as defined in this section, refers to the curricular inclusion of humanities, arts, communications, social sciences, mathematics, technology and science courses in support of the mission of the institution. A semester credit hour represents a unit of curricular material that normally can be taught in a minimum of 14 hours of classroom instruction, plus appropriate outside preparation or the equivalent as determined by the faculty. A quarter credit hour represents a unit of curricular material that normally can be taught in a minimum of 10 hours of classroom instruction, plus appropriate outside preparation or the equivalent as determined by the faculty.

- a. An associate degree exclusive of a specialized associate degree must require the satisfactory completion of a minimum of 60 semester credit hours, which includes a minimum of 20 semester credit hours of general education, or a minimum of 90 quarter credit hours, which must include a minimum of 30 quarter credit hours of general education.
- b. A specialized associate degree must require the satisfactory completion of at least 60 semester credit hours or a minimum of 1,500 clock hours or a Ch. 31 GENERAL PROVISIONS 22 § 31.21 31-13 (366297) No. 464 Jul. 13 a minimum of 90 quarter credit hours. At least 70%, but no more than 80%, of the program must consist of specialized instruction that bears directly upon the employment objectives of the program; and at least 20% of the program must consist of general education.
- c. A baccalaureate degree must require the satisfactory completion of a minimum of 120 semester credit hours or a minimum of 180 quarter credits. Of the total baccalaureate degree program course requirements, at least 40 semester credit hours or 60 quarter credit hours must be in general education and represent a broad spectrum of disciplines in general education.
- d. A first professional degree, except those for the preparation of professional educators, must require the satisfactory completion of a minimum of 60 semester credit hours or 90 quarter credit hours for admission to the degree program and the satisfactory completion of a total minimum of 150 semester credit hours or 225 quarter credit hours for the program. Professional educator preparation programs must comply with Chapter 354 (relating to preparation of professional educators).
- e. A master's degree must require the satisfactory completion of a minimum of 30 semester credit hours or 45 quarter credit hours beyond the baccalaureate level.
- f. The number of semester or quarter credit hours for a degree beyond a first professional or master's degree shall be determined by the faculty and reflect the recommendations of professional associations or National learned societies.
 - i. An institution may enter into agreements with other institutions, individuals or other providers of educational services to provide all or part of certain programs on behalf of the institution. A course offered for institutional credit shall be operated directly by or under the control of the institution granting the credit.
 - ii. To assure academic integrity, an institution shall provide students in a distance education program access to academic and student services, including textbooks, study guides, library and other learning resources, personal interaction with faculty, tutors or other educational personnel by computer, telephone, mail or face-to-face meetings. The institution shall assure integrity of student work and provide opportunity for student assessment. These programs must comply with the regulations that apply to resident-based programs as prescribed in this chapter and Chapters 35, 36, 40 and 42 and conform to generally accepted academic practices for delivery of instruction through distance education.

Dean's List (Undergraduate)

Undergraduate students who earn a semester grade point average of 3.5 or higher on a schedule of at least 12 newly earned credits toward the completion of an undergraduate degree will achieve the Dean's List as long as their cumulative GPA is at least 2.0. Student

teachers may achieve Dean's List status if they have earned 90 or more credits and have a cumulative GPA of 3.50 or higher at the end of the semester in which they student taught. P/NC and P/F courses will not be computed into the 12 credit-hour minimum. During the Academic honors Convocation, these students will be formally presented to the university community. There is no Dean's List during the summer or winter sessions. Post-baccalaureate and graduate students are not eligible for the Dean's List.

Degree/Certificate Requirements Undergraduate

It is the students' responsibility to complete all degree/certificate requirements and to know the university's requirements for graduation. This is not the responsibility of the students' advisers.

Students must meet all graduation requirements by the official end of the semester in which they have applied to graduate. Failure to do so (Incomplete grades in any course or "X" grades in required courses, no application, etc.) will result in the updating of the students' graduation date to the end of the term/year the work is eventually completed.

Collaborative programs will be identified such that residency can be met consistent with the collaborative agreement.

Students enrolled in summer internships will have their graduation date backdated to the end of summer if they complete their internships and are graded by September 30. Students not meeting this deadline will be graduated in the following December, or later, upon completion of graduation requirements.

Graduate

Completion of a graduate degree requires the following: unconditional admission to graduate studies, admission to degree candidacy, completion of the comprehensive examination and/or research requirement, completion of residency/practicum requirements if appropriate, and completion of the requisite semester hours of credit and GPA and course work. Requirements for some programs are different than the above. Students should check with the department or the Office of Graduate Admissions for specific requirements.

- Admission to Degree Candidacy (p. 1187)
- Comprehensive Examinations (p. 1189)
- Research Requirements (p. 1206)
- Total Semester Hours of Credit and GPA (p. 1209)
- Application for Graduation (p. 1188)
- Application for Certification (p. 1188)

Dissertation (Graduate)

The final copy of a student's dissertation must be submitted in a PDF Format to Bailey Library. To do so, use the Submission Form (link below) to submit your dissertation, which will be added to the institutional repository, with a record added to the library catalog.

Please contact rockarchives@sru.edu with any questions or concerns regarding the submission process.

Students should consult with their faculty adviser/graduate coordinator for official thesis style guides. Approval code from the Institutional Review Board for the Protection of Human Subjects (IRB-PHS) is required

before data collection involving human subjects may begin. Research protocol guidelines may be obtained from the chair of the IRB-PHS.

Submission Form: <https://sru.libwizard.com/f/etdform>
(<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsru.libwizard.com%2F%2Fetdform&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa96447076d94ece62d208dd689a85b3%7C86555dba073b4ff7b7d1b73a77c5b%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOilwLjAuMDAwMCIsIAiOiJXa%3D%3D%7C0%7C%7C%7C&sdata=uv9TNptTWfmymqxXNI4ahaEQUFnnzJj2gxpH%2BKwz%2FGM%3D&reserved=0>)

Institutional Repository: <https://harbor.klnpa.org/slippyrock/islandora/object/SRS%3AETD> (<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fharbor.klnpa.org%2Fslippyrock%2Fislandora%2Fobject%2FSRS%253AETD&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa96447076d94ece62d208dd689a85b3%7C86555dba073b4ff7b7d1b73a77c5b%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOilwLjAuMDAwMCIsIAiOiJXa%3D%3D%7C0%7C%7C%7C&sdata=qi0YRxOesQYDjpzeTO9B3QMrJzl26gbukrjuHxR2c5A%3D&reserved=0>)

Earning 2 Degrees or 2 Majors (Undergraduate)

TWO DEGREES

Undergraduate students seeking to complete a second baccalaureate degree will be required to complete at least 150 credits and the academic requirements of both degrees to earn two baccalaureate degrees at the same commencement ceremony. Students need only complete general education requirements for the first degree. Students may earn two different degrees (ex. B.A. and B.S.) or students may earn two of the same degree (ex. B.S. and B.S.).

TWO MAJORS

Undergraduate students may still earn two majors and one degree. To earn two majors, students must complete at least 120 credits and all the academic requirements of both majors.

Students who declare two majors will have the option to choose which of the major programs will be listed as the first major and which will be the second major. The appropriate declaration of major forms will be completed and signed by the major program departments regardless of the order of the majors. Students should check with their advisor(s) prior to deciding the order of the two majors as this may impact Liberal Studies/Rock Studies requirements. It is the responsibility of the respective departments to assign the student a first major advisor and a second major advisor. (6/30/2020)

MODERN LANGUAGE PROFICIENCY

Students wishing to earn a Bachelor of Arts degree, whether it is associated with their first or second major, must complete the university's modern language proficiency requirement (p. 1201) at or above the 103 level.

Exceptions to this policy must be approved by the student's chairperson and dean of the second degree.

Enrollment Status

Time status (also referred to as enrollment status) is determined by the attempted credits registered for the term.

Undergraduate

Fall/Spring

Enrollment Status	Credits
Full-time	12.00+ credit hours
Three-quarter time	9.00 to 11.99 credit hours
Half-time	6.00 to 8.99 credits hours
Less than half-time	5.99 credits and below

Summer

Enrollment Status	Credits
Full-time	12.00+ credit hours
Three-quarter time	9.00 to 11.99 credit hours
Half-time	6.00 to 8.99 credits hours
Less than half-time	5.99 credits and below

Graduate

Fall/Spring

Enrollment Status	Credits
Full-time	6.00+ credit hours
Half-time	3.00 to 5.99 credits hours
Less than half-time	2.99 credits and below

Summer

Enrollment Status	Credits
Full-time	6.00+ credit hours
Half-time	3.00 to 5.99 credits hours
Less than half-time	2.99 credits and below

Final Examinations

At the end of each semester, all final examinations are to be administered during the time stipulated in the final examination schedule (<https://www.sru.edu/academics/academic-services/academic-records/registration-information-and-class-final-exam-schedules/>), which is available online. The decision to give a final examination is the prerogative of the faculty member. If a final examination is to be given, the examination is to be administered according to the time indicated in the examination schedule. Classes will meet during the scheduled examination time if no examinations are given. The appropriate dean must approve any exception to this policy.

Students with three or more examinations on the same day or two examinations scheduled at the same time may discuss having one of the examinations rescheduled by consulting with the student's instructors. Make up examinations should be scheduled at a mutually convenient time for the faculty member and the student or during one of the final examination conflict timeframes as noted on the final examination schedule.

Four-Plus (4+) Program (Undergraduate)

What is a Four-Plus (4+) Program?

A Four-Plus (4+) program allows qualified (see Four-Plus (4+) Program Standards below) undergraduate students with Senior standing to take graduate coursework that will apply to both undergraduate and graduate degrees, per the programs' articulations. (An example would be an Accounting undergraduate accelerating into an MBA with a Concentration in Accounting program by taking graduate courses in the Senior year that count as earned credits in both the SRU undergraduate and graduate programs.)

What are the Provisional Graduate Admission Requirements for a Four-Plus (4+) Program?

A student must be provisionally accepted into an SRU graduate program related to the SRU graduate coursework for credits to count in both the undergraduate and graduate programs.

Provisional graduate admission is granted to qualifying students with Senior status; however, students apply the semester prior to taking graduate courses (after completing a minimum of 74 undergraduate credits).

Provisional admission does not guarantee formal admittance into the SRU graduate program upon completion of the undergraduate degree. To be eligible for formal acceptance into an SRU graduate program, the student will:

- Successfully meet all requirements of their undergraduate program(s);
- Meet all SRU graduate program admission requirements.

A final determination for graduate program admission shall be in accordance with each SRU graduate program's established policies, standards, and procedures.

At any given time, undergraduate students may only take graduate courses in one SRU graduate program.

Transfer students must have earned a minimum of 12 undergraduate credits from Slippery Rock University prior to seeking provisional graduate admission.

What are Four-Plus (4+) Program Standards?

- A student must be of Senior standing and have earned a minimum cumulative 3.0 GPA before taking SRU graduate courses. If the intended graduate program requires a higher GPA, the student must meet the higher GPA before taking graduate courses.
- A maximum of 6 credits may count toward both programs. (For example, completing both an SRU undergraduate degree program requiring 120 credits and an SRU graduate degree program requiring 30 credits could be accomplished with a combined total of 144 credits).
- As an undergraduate, a combined total of 6 graduate credits may be earned prior to formal admission as a graduate-level student in

both the Four-Plus (4+) and Senior Undergraduate Students Earning Graduate Credit Policies.

- Undergraduate students may register for no more than 6#SRU#graduate credits in any one term.
- SRU graduate courses in a Four-Plus (4+) program may fulfill undergraduate requirements as:
 - dual-listed courses (taught simultaneously to both undergraduates and graduates),
 - required undergraduate major courses,
 - elective undergraduate major courses.
- All prerequisites for the intended SRU graduate courses must be satisfied prior to taking those graduate courses.
- Grades earned in#SRU#graduate courses as part of the#Four-Plus (4+)#program will be entered into the student's overall undergraduate and graduate grade point averages.
- SRU#Undergraduate and graduate degree requirements shall adhere to academic standards set forth for both independent degree#programs for all students in the respective programs.
- The#total#number of credits required for both the SRU undergraduate and graduate degrees can be reduced by the number of graduate credits used to satisfy requirements for the undergraduate degree.
- Undergraduate#courses#may#not#satisfy#requirements#for#the#SRU#graduate degree.
- At least 48 credits of advanced coursework are required for a baccalaureate degree. Graduate coursework used to satisfy the requirements of the Four-Plus (4+) program may be used toward the advanced coursework requirement.
- At least 50 percent of the Master's Degree coursework (excluding thesis, research, or internship hours) must be completed at Slippery Rock University.
- If a student is not formally admitted or chooses not to enroll in the respective graduate program, any earned graduate coursework through the Four Plus (4+) program will continue to count toward the minimum credit requirement of the undergraduate degree program.
- Eligible graduate coursework taken by undergraduate students enrolled in the#Four-Plus (4+)#program will be charged at the undergraduate tuition rate and may be eligible for undergraduate financial aid and scholarships. Once the undergraduate degree is conferred and the student is considered a graduate student, students will be charged the graduate tuition rate and may be eligible for graduate financial aid and scholarships.

Students may be eligible for undergraduate or graduate financial aid,#in accordance with federal regulations;#all students#within#each program must be charged in the same#fashion.

Freshman Cohort and Student Athlete Graduation Rate (Undergraduate)

In accordance with the Students Right to Know and Campus Security Act (PL 101-542) as amended by the Higher Education Technical Amendments of 1991 (PL 102-26), Slippery Rock University will publish the graduation rate of its first time, full-time degree seeking undergraduates at the university's Student Consumer website. (<https://www.sru.edu/students/student-consumer-information/>)

General Education Requirements (Undergraduate)

All degree seeking student must satisfy requirements of the general education program in effect at the time they first entered the university or when they are readmitted. For more information, students should refer to the appropriate catalog:

- Liberal Studies;
- Rock Studies 1; or
- Rock Studies 2.

General education requirements provide essential knowledge, skills, dispositions and perspectives should be completed as early as possible in a student's undergraduate years (ideally before the completion of 45 credits). If a student earns an NC in The Rock/Basic Requirement courses (those graded A, B, C, or NC), the University's continuous registration policy requires that the student repeat the course during their next semester of enrollment if seats are available.

Grade Appeal

PROCEDURE FOR FILING GRADE APPEAL ACADEMIC DUE PROCESS PROCEDURES

The purpose of the following procedure is to provide students with a system by which to grieve complaints of alleged academic injustice(s) relating to a final grade and/or professional responsibilities.

Students who believe that their final course grade reflect unsubstantiated academic evaluation may initiate and pursue a grade change appeal in accordance with provisions of this document. At the same time, all academic rights and privileges of faculty members are to be honored in this process, which includes careful review of the course syllabus. Changes in final course grades will occur only when, as a result of this grade appeal process, there is clear evidence of unsubstantiated academic evaluation. Because the grade process involves the instructor's judgment of the academic performance of a student the only issue under consideration in the grade appeal process is whether or not the student can present clear evidence that the assignment of the grade was based on factors other than the academic judgment of the instructor.

Some examples of the basis for a legitimate disagreement could include, but not be limited to prejudiced, capricious, or unsubstantiated academic evaluation by the instructor:

1. The instructor did not inform the student of the basis for calculation of grades.
2. The instructor did not calculate the student's grade in accordance with the instructor's stated policy for calculating grades.
3. Significant and unwarranted deviation from grading procedures and course outlines set at the beginning of the course (ordinarily during the first week of the course) or a grade assigned arbitrarily and capriciously on the basis of whim, impulse or caprice.
4. There is an error in the computation of the grade that was not corrected.
5. The student, through no fault of his or her own, was not provided with the same opportunity to complete the requirements for the course in terms, for example, of time, access to materials, or access to the instructor as the other students.

A student may not claim arbitrariness and capriciousness if he/she disagrees with the subjective professional evaluation of the instructor.

Informal Appeal Procedure

1. The student must discuss the final course grade, grading practices and assignments with the instructor who gave the final grade no later than 10 working days after to beginning of the semester (not summer/winter) following the issuance of the grade. This discussion may eliminate any misunderstandings over the assignment of the grade as relates to the course syllabus. This discussion must occur before the student may file a formal appeal.
2. If the faculty member finds in the student's favor, a grade change form is submitted with signatures and the appeal process is resolved.

If a student and instructor fail to resolve the grade dispute through informal means the student may request a formal grade appeal process by completing a "Final Grade Appeal Form."

Formal Appeal Procedure

Step One

The student must complete and submit the "**student**" portion of the **Final Grade Appeal Form** to the course instructor no later than **15 working days** after the beginning of the semester following the issuance of the final grade. The summer term does not constitute a semester.

The student must retain a copy of the Final Grade Appeal Form for his/her records and send a copy to the department chairperson (or substitute) of the department in which the course is housed. The chairperson of the department evaluation committee shall substitute for the department chairperson IF the department chairperson was the instructor of the course in which the grade is being appealed.

Step Two

The department chairperson (or substitute) notifies the instructor in writing that chairperson is aware that the instructor has received a grade appeal.

If the instructor decides that the final grade is correct, he/she must complete the "**instructor**" portion of the Final Grade Appeal Form, and return it to the student and send a copy to the chairperson (or substitute) **within 10 working days of receipt of the student's appeal**.

If an instructor fails to respond within the allotted time, the appeal shall move to step 3 below.

If a faculty member whose grade(s) are being appealed is no longer employed by the university or is unavailable due to a sabbatical, sick leave, or other reasons during the time period allotted for the appeal process, the appeal should be directed to the chair of the department (or substitute) for review.

Step Three

If the student wishes to appeal further, he/she must submit the original Final Grade Appeal Form (or copy if the instructor fails to respond as described in step 2 above) to the department chairperson (or substitute) and the college dean. This appeal must be submitted **within 10 working days** of the dated instructor's response, or if the instructor does not respond, **within 15 working days** after the appeal was originally filed with the instructor.

The department chairperson (or substitute) will review the appeal **within 10 working days**.

Before the department chairperson (or substitute) determines if the student's complaint provides evidence that the instructor's assignment

of the grade was based on factors other than the academic judgment of the instructor he/she will review the appeal with the instructor. The chairperson (or substitute) may also conduct whatever informal investigation seems necessary and should attempt to achieve a negotiated settlement.

1. When Chair Agrees Grade Is Correct

If the department chairperson (or substitute) determines the student's evidence **does not meet** the criteria for a grade appeal, the chairperson (or substitute) will forward his/her decision on the grade appeal to the instructor, student and college dean.

2. When Chair Disagrees that Grade is Correct

If the department chairperson (or substitute) determines the student's evidence **does meet** the criteria for a grade appeal, he/she will offer an explanation on the Final Grade Appeal Form and provide a copy to the instructor.

The instructor must then indicate on the Final Grade Appeal Form whether he/she agrees or disagrees with the chairperson's recommendation, signs and returns the Final Grade Appeal Form to the chairperson **within 5 working days**.

- a. If the instructor amends the grade, a signed grade change form is submitted and the grade appeal is ended.
- b. If the instructor does not agree to amend the grade or fails to respond in the allotted time, the chairperson (or substitute) submits the Final Grade Appeal Form to the college dean, student, and instructor with his/her recommendation **within 5 working days**.

Step Four

If the dean, upon review of the chairperson's recommendation, also determines the student's evidence **does not meet** the criteria for a grade appeal, the dean will complete and return the Grade Appeal Form to the student with a copy to the instructor and chairperson (or substitute) **within 5 working days**. **The grade appeal process ends.**

If the dean, upon review of the chairperson's recommendation, determines that the evidence is unclear or the student's evidence **does meet** the criteria for a grade appeal, the dean **shall initiate a meeting with the faculty member**. The dean shall review the appeal, can hear evidence by each side, and may collect further evidence as needed.

If **agreement** cannot be reached, the dean will forward the Final Grade Appeal Form to the Provost **within 20 working days**, with his/her recommendation that the grade appeal be referred to a Grade Appeal Board. The dean also forwards a copy of the Final Grade Appeal Form to the student, instructor, and chairperson.

In each of the above statements, the chairperson of the department evaluation committee shall substitute for the department chairperson if the department chairperson was the instructor of the course in which the grade is being appealed. Should the chair of the evaluation committee not be available, APSCUF will be consulted in the process of choosing a substitute.

Step Five

1. Composition of the Grade Appeal Board

- a. Three faculty selected by APSCUF. One from the academic department in which the course is taught. Not the instructor.

- b. Two managers selected by the provost. One to be the dean of the college in which the course was taught.
- c. One student selected by Student Government Association. A senior outside the department in which the course is taught.

Normally, each Grade Appeal Board will be appointed to hear one appeal.

Those responsible for recommending board members should be sensitive to race and gender composition.

The Provost will appoint each board and chairperson within the parameters above.

2. Grade Appeal Board Procedures

Once the appeal board has been established, the appointed chairperson of the committee will contact board members, the faculty member, and the student bringing forth the appeal to determine a date to convene the board (within 20 working days) and send them a letter confirming the date and place of the meeting.

At this point, all paperwork and collected evidence will be copied and provided to the members of the appeal board committee in sealed, confidential envelopes. This paperwork and evidence will be assembled by the dean of the college involved in the appeal, reviewed and brought by appeal board members to the appeal meeting. The chair will collect the copies at the end of the meeting.

The procedure for the appeal meeting is as follows:

- a. The chairperson of the Grade Appeal Board will call the meeting to order and review procedure.
- b. The student will have 10 minutes to present his/her reason for the appeal.
- c. The faculty member will then have 10 minutes to explain why he/she feels there is no basis for the appeal.
- d. The committee member can then ask questions of the student and/or faculty member to clarify any points.
- e. The faculty member and the student are excused and told they will be notified of the decision by letter.
- f. The committee discusses and reaches a recommendation by majority vote.
- g. The chairperson will notify the President of the University of the recommendation of the committee by memo. The chairperson will notify the student and faculty member of the president's decision by letter. The letter will be copied to the Department Chair and Dean.

Step Six

Students who appeal a grade to a Grade Appeal Board are responsible for maintaining all written materials relevant to the appeal, such as papers, examinations, and completed assignments. Further, the appeals board must have access to appropriate documentation and academic records pertaining to the course grade in question. After the appeals process is complete, the only record to be maintained will be the student's final grade.

Each appeals board will make its recommendation to the university president, who may accept or reject the recommendation. Since the university has the power and duty to direct the activities of the institution, nothing in this policy should be construed as to diminish that authority in any way.

Grade Change

Once a grade has been posted, it can only be changed by the professor who originally awarded the grade. If the professor is no longer employed by the university or is not available for some other reason, the request for a grade change should be discussed with the department chairperson. Grade changes must be processed on a grade change form and must be approved by the professor and the chairperson of the department in which the course was offered. In addition to the approval of the instructor and chair, changing a grade of drop or withdraw requires the approval of the dean of the college in which the course was offered.

Grade Release

Students' midterm grades and final grades are available on MySRU.

In accordance with the Family Educational Rights and Privacy Act (FERPA) (<https://www.sru.edu/academics/academic-services/academic-records/policies-regulations-and-catalogs/>) grades will not be released to a third party (including parents) without the authorization of the student. Students may authorize the release of grades to third parties by authorizing such on MySRU.

Grading Procedures and Policies

Instructors are to inform their students in writing during the first week of classes of their grading procedures and policies, especially explaining how final grades are calculated.

Grading System Undergraduate

Grade Symbol	Description	Quality Points
A	Excellent	4
B	Good	3
C	Satisfactory	2
D	Poor	1
F	Failure	0
I	Incomplete	0
P	Pass	0
NC	No Credit	0
AU	Audit	0
W	Withdrawal	0
X	No grade given	0

GRADE POINT AVERAGE

Grade points for a single course are calculated by multiplying the points assigned the letter grade (A = 4, B = 3, C = 2, D = 1, F = 0) by the number of credits of the course. Total grade points are calculated by adding the grade points earned in each course. The grade point average (GPA) is computed by dividing the total grade points earned by the total number of credits attempted, (repeated courses are counted only once). Grades earned in courses taken at other colleges for transfer are not

computed in the grade point average at Slippery Rock University unless the courses were taken with Slippery Rock University's approval as a "Visiting Student" or "Distance Education Student" at another PA State System of Higher Education university. Further explanation concerning the calculation of the GPA may be directed to the student's academic adviser, the Office of Exploratory Studies & Academic Progress or the Office of Academic Records and Registration.

Graduate

Grade Symbol	Description	Quality Points
A	High quality graduate work	4
B	Satisfactory graduate work	3
C	Acceptable graduate work (cumulative grade average must be at least 3.000). Some departments will not consider a "C" as an acceptable grade.	2
D	Unacceptable graduate work*	1
F	Failure*	0
I	Incomplete (becomes an "F" if not completed by faculty deadline. If no earlier deadline is set by the professor, all incompletes must be completed within 12 months, except for thesis and dissertation, or they will be changed to an "F".)	
ID	Incomplete (used for dissertation). Does not automatically convert to an "F."	0
IT	Incomplete (used for thesis). Does not automatically convert to an "F."	
W	Withdrawal	0
P	Passing (In all programs except Physical Therapy, this is equivalent to a letter grade of "C" or better. In Physical Therapy, it is equivalent to a "B" or better.)	0
X	No grade given (becomes an "F" if not removed by the end of the student's next semester of enrollment)	

* Credits earned with less than a "C" grade cannot be accepted as satisfying any of the requirements for the master's degree.

These grade symbols are translated into grade points as follows: each semester hour of credit with a grade of A counts four grade points; B, three points; C, two points; D, one point. Degree candidates must maintain a minimum cumulative grade point average of 3.0*. Credits earned with less than a "C" grade cannot be accepted as satisfying any of the requirements for the master's degree*. Some departments will not consider a "C" as an acceptable grade. Grades earned in all graduate courses taken at Slippery Rock University are used in the calculation of grade point average.

The formula for grade point calculation is as follows:

GPA = grade points earned divided by number of semester hours attempted. Graduate courses in which a letter grade of "C" or less was earned on the first attempt may be repeated. No course may be repeated more than once. Permission to repeat a course shall be granted with the approval of both the adviser and the graduate coordinator of the student's program. A student may repeat a total of two courses during the six-year statute of limitations, and any repeat must occur within the six-year statute of limitations.

Any extensions of the time limit shall not entitle the student additional repeats. Course repeats in Physical Therapy are permitted only with approval of the Dean of the College of Health, Engineering and Science. When a student repeats a course, only the grade earned on the most recent attempt is used in the GPA calculation. A grade of "I" is not a permanent grade. An incomplete grade for a course must be removed whenever the professor requires it, but no longer than within one calendar year, and an incomplete grade for thesis (IT) and dissertation (ID) must be removed within the six- year statute of limitations. Unless the instructor has submitted a change of grade prior to the expiration of the specified time limit, the grade of "I" will automatically be converted to a grade of "F". Grades of "IT" for thesis and ID for dissertation will remain an "IT" or "ID" until the requirements are met and a grade change has been submitted.

X and I Grades - Undergraduate and Graduate

See the I Grade Policy (p. 1199) for more information on I Grades.

See the X Grade Policy (p. 1212) for more information on X Grades.

Graduation Requirements Undergraduate

1. All undergraduate degree programs require a minimum of 120 credits.
2. All students are required to earn a minimum cumulative 2.0 GPA and a minimum 2.0 major(s) and minor(s) GPA (if applicable) to graduate. Programs that lead to certification, licensure or specialized accreditation may require a GPA higher than a 2.0.
3. Students must complete 30 of their final 60 credits in residence at SRU. In addition, individual departments may establish residency requirements for their majors and minors. Students should check with their academic adviser to determine the requirements for their academic program

4. Students must complete a minimum of 45 credits of Liberal Studies coursework or 42 credits of Rock Studies coursework.
5. Students must complete 48 credits of advanced coursework defined as any 100- or 200- level course with two or more 3-credit prerequisite courses (in addition to sequential prerequisites, but not including basic competency courses or exams) and any 300- and 400- level courses. At least 24 of the 48 credits must be completed at SRU.
6. Students must complete at least half their major (15 credit minimum) in 300 or higher-level courses. Students must also complete at least 50% of their major at a PASSHE university.
7. Bachelor of Arts degrees require language proficiency at the 103-class level. Exemption by placement or examination is possible.
8. Beginning with May 2021 graduates, students must complete at least 45 undergraduate credits at SRU to be considered for Latin Honors at the point of graduation.

****Some students will actually complete more than 120 credit hours. This can occur for several reasons:**

- Some students will be required to take additional courses necessary to develop basic academic competencies. These courses are not counted as credit toward graduation.
- Some students may choose to take more than 120 credit hours. For example: When students choose to complete more than one major, or a minor/certificate.
- Some majors require more than 120 credit hours for a bachelor's degree.

Graduate

The student is responsible for fulfilling all requirements for the degree in accordance with the regulations of that program and the university.

Honors at Graduation Undergraduate

At both the December and May commencement ceremonies, the university recognizes students who have met the academic criteria for Latin honors.

- Undergraduates working on their first baccalaureate degree may qualify for honors at graduation. Post-baccalaureate and graduate students are not eligible for these honors.
- Beginning with May 2021 graduates, a minimum of 45 undergraduate credits must be earned at Slippery Rock University. These credits may include: all SRU credit bearing course work; all credits earned through SRU's credit by exam program, including the NLN Mobility Profile II, administered by the Department of Nursing; SRU credit earned with a "P" grade; and credits earned as a Visiting Student at another PASSHE institution.
- Credits earned by any other form of credit by exam (AP, CLEP, PEP, DSST and NLN (other than the Mobility Profile II), credits earned at other universities (transfer & transient), via military service/schooling, and non-SRU course work taken abroad will not count toward the 45 credit minimum.
- The following cumulative GPA's must be earned to qualify for honors at graduation.
 - Summa Cum Laude (With the Highest Honor) 3.800 - 4.000
 - Magna Cum Laude (With High Honor) 3.600 - 3.799
 - Cum Laude (With Honor) 3.500 - 3.599

No restrictions will apply to students who repeat grades of D or F and who still meet the criteria for honors at graduation.

At commencement, the names of these honor students are specially designated in the commencement program. In addition, the Summa Cum Laude graduates wear medallions around their necks, which are gifts of the Slippery Rock University Alumni Association; Magna Cum Laude graduates wear white honor cords; and Cum Laude graduates wear green honor cords.

Students identified by the director of the University Honors College as having completed the requirements of the Honors College will also wear special honor cords at graduation.

Recognition of honors at graduation will be based upon students' cumulative GPA at the end of the semester preceding graduation. Designation of honors on the university transcript will not be determined until the students' final semester grades are submitted and official, final cumulative GPA's are calculated.

Graduate

The traditional undergraduate 'honors' awards (cum laude, magna cum laude and summa cum laude) are not available to graduate students.

Incomplete Grades

At the discretion of the instructor, a grade of incomplete (I) may be given to a student who demonstrates it is not possible to complete the requirements of a course due to circumstances beyond the student's control or not reasonably foreseeable. The incomplete grade is not an alternative to a grade of F.

Incomplete grades may be awarded under the following circumstances:

- The student must be passing a course at the time an incomplete is requested unless the instructor determines extenuating circumstances justify assigning an incomplete grade to a student who is not passing the course;
- The student must request an incomplete grade and should do so before final grades for the term are submitted;
- The instructor may only assign an incomplete grade if the missing work will be completed, submitted, and graded within one year.

Other provisions:

- An incomplete grade may not be assigned to a student who did not attend the course, or has accumulated excessive absences. Failure to complete the class or properly withdraw from the class is noted as a grade of F or a grade of X;
- The instructor may not assign an incomplete grade if the student would receive a failing grade in the course even if the missing work is completed, submitted, and graded. The completion of missing work does not guarantee a passing grade;
- Incomplete grades must be completed within 12 months; however, faculty reserve the right to set any shorter deadline for the completion of the incomplete work. Requests for extensions of incomplete grades beyond 12 months must be submitted by the faculty member and approved by the dean of the college in which the course was offered;

- If a faculty member does not submit a grade change form within 12 months, regardless of whether or not the student attends the university, the grade will automatically convert to a grade of F;
- After successful completion of the makeup requirements, incomplete grades will be changed by the instructor of record or the department chair (in absence of the instructor of record) via a grade change form;
- Students may not register for the same class in which they have an incomplete. A grade must be assigned if the student wants to register for this class;
- Students will not be permitted to graduate with an incomplete grade on their record.

Note: Incomplete dissertation (ID) and incomplete thesis (IT) do not automatically convert to an "F".

Instructional Method

Blended courses are currently defined as any course whose content is taught between 30-79% online. Web-based courses have between 80-100% online content. Web-based courses must be approved by the UCC and Academic Dean. Blended courses must be approved by the Academic Dean.

Blended courses are denoted on the master class schedule by the instructional method as follows:

BL = 51-79% online

30 = 30-50% online

Web-based courses are denoted on the master class schedule by the instructional method as follows:

80 = 80-99% online

OL = 100% online

Internships (Undergraduate)

Slippery Rock University offers a diverse program of internships through which students may earn from 1 to 12 credits. A minimum of 40 hours of work is required for each credit earned. In some cases an internship or other field experience is required for a major. Internships provide students with an opportunity to apply their academic preparation in a variety of professional or occupational settings. Through an internship, students have the opportunity to expand their knowledge and to enhance their learning of the theories of academic disciplines and programs of study through appropriate career-related experiences and to provide them with the knowledge and experience necessary for obtaining certification or licensing. Students may enroll in semester, academic year, or summer/ winter internships with governmental agencies, private firms, or non-profit organizations both in the United States and abroad.

Students must have a minimum quality point average of 2.0 in their major (or program where applicable), and at least a 2.0 for all coursework, including the semester previous to placement in an internship. Some majors require a GPA higher than 2.0. The agency, academic department or program may specify higher standards and/or other academic requirements. Acceptance into the internship program must occur prior to registration for the course. Registration in the course, however, does not guarantee placement in the field. Agency supervisors' evaluations are a requirement for completion of the internship and may be a factor

in determining the final grade. Students must be at least a junior in good standing at the time they begin the internship.

Interested students should check with their major department for internship information in their fields. Students are permitted to earn no more than 12 credits in any one internship and a total of 15 credits for all internships taken.

Math Placement (Undergraduate)

Appropriate placement into a first college mathematics course is extremely important to ensure student success in future mathematics courses. Success in any mathematics course requires appropriate prerequisite knowledge and students are much more likely to succeed when they are enrolled in the correct mathematics course. Determination of a student's first mathematics course will happen in one of two ways depending on the student's major requirements. Students are required to take a mathematics assessment for placement if their major requires one or more of the following mathematics courses: Math 125: Precalculus, Math131: Discrete Mathematics or Math 225: Calculus I. For all other required freshman-level mathematics courses, the first mathematics course is determined according to the student's high school transcript or SAT/ACT math scores.

Students required to take the assessment can find further details and instructions at www.sru.edu/mathassessment (<https://www.sru.edu/academics/colleges-and-departments/ces/departments/mathematics-and-statistics/math-assessment/>). The assessment called ALEKS is free, available online and takes one to two hours to complete. The assessment can be taken multiple times and, upon completion, personalized learning modules will provide the opportunity to improve your score in subsequent attempts. At least one attempt of the assessment must be finished prior to orientation so that a complete course schedule can be created. The above mathematics courses require completion of the assessment prior to registration.

Note: In some cases, students may be placed into the prerequisite course ESAP 110: Beginning Algebra or Math 120: Intermediate Algebra, prior to taking additional required mathematics courses. Neither of these classes fulfill any Rock Studies requirements, and all students are encouraged to place out of these courses through use of the ALEKS assessment. In this way, students can satisfy the Beginning Algebra requirement through use of the ALEKS assessment as an alternative to taking ESAP 110.

Military Absence

Slippery Rock University requires both students and faculty members to approach excused absences and matters of class attendance in a manner that is cooperative, realistic, and impartial.

Faculty members are required to provide an alternative opportunity or offer equivalent credit for a student to complete missed coursework due to a military-related absence, without prejudicial influence. (ex. Exam, quiz, in class work, presentation, etc.)

Students who have received advanced notification orders are required to provide documentation for their military-related absence two weeks prior to the absence when feasible; however, students should turn in documentation as soon as the orders are received. Whenever possible, students are required to be proactive by turning in pre-assigned coursework before their military-related absence begins.

Any student who has military commitments the weekend before Final Exams week (and such duty can occur any time between Thursday and Tuesday), the student's first exam day (possibly first two exam days, depending on the return day) will be rescheduled to allow a two-day study period.

A student who must miss numerous class meetings due to a military-related obligation is strongly encouraged to create a Military Absence Work-Plan (<https://www.sru.edu/veterans/returning-or-leaving-active-duty/>) with the faculty member for completing the missed coursework. However, either party can submit a work plan at any time. Creating this work-plan will ensure clear communication between student and faculty member; failure to complete this work-plan may negatively impact the student.

Once developed, the student and faculty member will sign the Military Absence Work-Plan that details the expectations for successful completion of coursework. If the length of absence & circumstance(s) challenges the student's ability to successfully complete the agreed-upon work-plan and to remain current with coursework, it may be in the student's best interest to utilize the Armed Forces Leave of Absence Withdraw option (Withdrawal with grade of "M").

Appeal Process: If the student and faculty member cannot agree on a work-plan or any part of the work-plan, such as a "reasonable" length of absence, the academic department chairperson should be contacted. If the work-plan cannot be resolved at the academic department level, the student is required to contact the academic dean of the college where the course resides.

The Military Absence Work-Plan must include the following information but can take any format the student and faculty member would like to utilize:

- Faculty member name
- Student name
- Course name
- Length of military-related absence
- Detailed list of missed coursework
- Due date for each assignment
- Signatures of both the faculty member and the student
- Results of not meeting the due dates of the work-plan

The Military Absence Work-Plan will be kept in the faculty member's student record and filed with the Office of Academic Records & Registration. The student will also receive a copy.

Procedures

The student completes a Military Absence Work-Plan for each course he/she is enrolled during his/her absence. The student and faculty member discuss the plan and sign document. A copy of the work-plan document is kept on file with the faculty member and the Academic Records Office. A copy is also given to the student.

Sanctions

Not applicable

Responsibility for Implementation

Office of the Provost

Scope of Policy Coverage

This policy applies to all students with military obligations.

Authority for creation and revision

Reviewed by: Academic Policy & Procedures Committee – October 11, 2019

Approved by: ASAEC – November 13, 2019

Effective Date: Spring 2020

Military Withdrawal

A grade of "M" will be given for military students and spouses who have to withdraw from the University (all classes) due to military obligation.

PA National Guard and other reserve components called to active duty (for reasons other than training) and their spouses will receive a grade of "M" when unable to complete classes due to activation for military obligations.

Students who need to withdraw from Slippery Rock University due to military obligations must complete the University Withdrawal Form, available in the MySRU portal. The form can be located by searching for "Withdraw from SRU" in the All Links card. Students are also required to provide documentation verifying their military obligation, such as official military orders or a letter from their commanding officer. This documentation may be submitted electronically as a scanned attachment to academic.records@sru.edu.

Minimum Credit Hour and Quality Point Requirements (Undergraduate)

All degree programs require a minimum of 120 credits and a minimum overall GPA of a 2.000. At least 30 credits must be completed to earn a major, at least 18 credits must be completed to earn a minor, and at least 12 credits to earn an undergraduate certificate. The majority of programs require a major GPA of 2.000; some programs require a higher average. This information is available from the department adviser or chairperson. To be eligible for teacher certification, students must have a 3.000 cumulative average in all university coursework.

Modern Language Language for BA Degree (Undergraduate)

Proficiency at the 103 class level of a modern language, or the equivalent, is required for all Bachelor of Arts degree candidates. Exemption by placement or examination is possible. Students wishing to earn a Bachelor of Arts degree, whether it is associated with their first or second major, must complete the university's modern language proficiency requirement at or above the 103 level. Post-Baccalaureate students pursuing a Bachelor of Arts degree must also complete the modern language requirement.

Name Change - Chosen

The University recognizes that many members of its community use first/middle names other than their legal names first provided to the university to identify themselves. For some students, a chosen first/middle name may be an important component of their identity, and the university supports a welcoming culture.

To encourage a welcoming culture, SRU policy establishes students' right to indicate their chosen first/middle names to the University community even if they have not changed their legal name(s). While anyone is welcome to use a chosen first/middle name, this option has been developed to respond to the needs of international students, transgender people, gender non-binary, and others who choose the use of a nickname. Any chosen name request must be in good faith and in the spirit of this policy to foster an inclusive SRU culture. Such requests may include individuals who prefer to use:

- a middle name or nickname instead of a first name;
- an anglicized name;
- a name to which the individual is in the process of legally changing; or
- a name that better represents the individual's gender identity.

Chosen first/middle name – A chosen first/middle name is defined as an alternative to the individual's legal name as designated by the individual in university systems.

Legal name – A person's legal name is the name used for official governmental documents, such as licenses, passports, and tax forms.

A student's chosen first/middle name will be used instead of the person's legal name in select university - related systems and documents as listed below. The legal name will be used in all University - related systems and documents related to official University records as listed below.

- Student Identification Cards (requires student action)
- Official Student Email Display Name
- Diplomas
- Commencement Programs
- Commencement Cards
- Advising Profile
- Class List (in Banner)
- D2L
- CORE
- University communications and mailings to student's permanent/home address

Slippery Rock University is working diligently with our software vendors to promote chosen name in marked areas. Legal names will continue to be used for official university records including, but not limited to the following:

- Legal Documents and Reports Produced by the University
- Student Account Statement (Bills)
- Financial Aid and Scholarship Documents
- Transcripts
- Enrollment Verifications
- Degree Verifications
- Student Employment Documents
- Paychecks, W2s, and other Payroll documents

PROCEDURES

To update your chosen or preferred first name or gender identification, log in to your MySRU portal and click the My Profile tab. Next click the Personal Information Page button in the list of links below your profile picture on the left side of the page. On your Personal Information Page,

click the Edit button on the Personal Details block. Here you may update our preferred first name and gender identification.

A chosen or preferred middle name appears in some, but not all, of the same places that a chosen first name does. If you wish to use a middle name that is different from your legal middle name, simply email the Office of Academic Records & Registration (academic.records@sru.edu) with your Banner ID, your name, and your chosen or preferred middle name. As with a chosen first name, a chosen middle name will not be used on certain official University records.

Chosen or preferred names cannot be deemed inappropriate. Inappropriate names, include, but are not limited to, those used to avoid a legal obligation, commit fraud, misrepresent yourself, are obscene language, or are trademarked. Any inappropriate name will be removed from the University's student information system.

RESPONSIBILITY FOR IMPLEMENTATION

All members of the University Community are responsible for administering this policy.

SCOPE OF THE POLICY

This policy applies to all University students.

Name Change - Legal

Students may have their names changed on official university records only after submitting an official document (marriage certificate, court record, etc.) or a notarized statement that a name change has occurred and the new name is not being used for any deceptive or fraudulent purpose. Please refer to the Legal Name Change Form (https://www.sru.edu/documents/academics/academic-services/academic-records/Name_and%20Gender_Change_LEGAL.pdf) found on the Academic Records and Registration webpage.

Non-Degree Student

Non-Degree Student - Undergraduate

A non-degree student is a student who does not possess a baccalaureate degree and wishes to enroll for undergraduate level credit coursework at Slippery Rock University for enrichment and does not intend to use the course work toward a degree program at an institution of higher education. Non-degree admission is valid for one semester at a time. Students who wish to enroll as non-degree students may reapply for admission for subsequent terms until a maximum of 30 semester hours have been completed, at which time further enrollment is precluded in the non-degree status. Non-degree students are not eligible for financial aid.

Non-Degree Student - Graduate

Students who have earned a bachelor's or master's degree may apply as a graduate non-degree student. University policy permits graduate non-degree students to earn a total maximum of 12 semester hours. The credits earned under the graduate non-degree status may not automatically count toward a future graduate degree program. In addition, graduate non-degree students are not eligible to receive Federal Financial Aid.

Students wishing to pursue admission to a degree program must submit a formal degree-seeking application along with all other required credentials from your academic program of interest. Information about

degree programs is available at <http://www.sru.edu/academics/graduate-programs> (<http://www.sru.edu/academics/graduate-programs/>).

Notice Designating Directory Information

The *Family Educational Rights and Privacy Act* (FERPA), a Federal law, requires that colleges and universities, with certain exceptions, obtain a student's written consent prior to disclosure of personally identifiable information. However, institutions may (not must) disclose appropriately designated "directory information" without written consent, unless the university has been advised by the student that he/she does not wish to have his/her directory information released.¹

Directory information, which is information that is generally not considered harmful or an invasion of privacy if released, can, but is not required to be disclosed to outside organizations without the student's written permission.

Slippery Rock University is committed to maintaining the privacy of its students' records and therefore also limits its release of Directory Information for official University purposes only.

Slippery Rock will not release Directory Information for solicitation purposes to 3rd parties from **outside** the university. This includes outside vendors, businesses and organizations unless the university has entered into a contract or agreement with the organization to supply specific service to the university or its students that requires the use of this information.

The Director of Academic Records also carefully screens the release of Directory Information to parties **within** the university to assure that its students only receive correspondence related to the academic and social missions of the institution.

Slippery Rock University hereby designates the following student information as "directory information." Such information may be disclosed without a student's previous consent by the institution for any purpose, at its discretion with the exceptions noted below:

1. Name
2. Addresses (local, permanent, and email)
3. Telephone number (local, cell and permanent)
4. Date and place of birth
5. Program and concentration(s) and minor(s)
6. Student activities, including athletics
7. Weight, height (athletic teams)
8. Dates of attendance
9. Degrees and awards received
10. Date of graduation
11. All educational institutions previously attended
12. Academic awards/scholarships
13. Title of master thesis
14. Number of credits (full- or part-time) for which a student is registered
15. Pictures of students
16. Class level
17. Anticipated graduation date

18. Student ID number used to communicate in electronic systems that cannot be used to access education records without a PIN, password, etc.

¹ As noted above, currently enrolled students have the opportunity to withhold disclosure of all 18 categories of information under the Family Educational Rights and Privacy Act (FERPA). The University will not partially withhold this information, so students are advised to think carefully before requesting non-disclosure. To withhold disclosure, written notification must be received in the Office of Academic Records and Registration, Slippery Rock University, Slippery Rock, Pa. 16057 prior to the end of the second week of each semester/summer session. Forms requesting the withholding of "directory information" are available online or in the office of:
Academic Records and Registration
Room 107, Old Main
(724) 738-2010
academic.records@sru.edu

Slippery Rock University assumes that failure on the part of any student to specifically request the withholding of "directory information" indicates individual approval for disclosures. Former students and alumni are not covered under the Family Educational Rights and Privacy Act (FERPA). As such, the University is not obligated to honor requests for non-disclosure of "directory information" from former students.

Note: Students requesting that "directory information" not be disclosed during their **final semester of enrollment** will have this information withheld indefinitely after leaving the University. Students are cautioned that making such a request may adversely impact future requests from potential employers, and other important individuals/organizations.

Notice of Consumer Information Web Site and Annual Security Report

In accordance with the provisions of the Student Right to Know and Clery Acts, students are urged to access SRU's Consumer Information Website (<https://www.sru.edu/students/student-consumer-information/>) (Including campus crime statistics, graduation rates, and Students Rights to Privacy.)

Pass-No Credit Grades (Undergraduate)

Select courses in some programs are designed and offered only on a Pass/No-Credit basis; students cannot take those courses with any other grade option.

In regularly-graded courses, sophomore, junior, and senior students may opt, with adviser approval, for Pass/No-Credit grading. The following rules govern this option:

1. Only free electives can be taken P/NC.
2. Courses taken P/NC may NOT be used to fulfill a major, a minor, the BA requirement for a modern language, or the University's Liberal Studies/Rock Studies requirements.
3. The P/NC option exists only for undergraduate courses, not graduate courses.
4. P/NC classes are NOT used in calculating GPAs.

5. P/NC classes are used in calculating total credits for graduation.
6. A student may opt for only one P/NC class in any given semester; those required courses with only P/NC grading do not “count” against this maximum.
7. A student may opt for no more than 12 hours total of P/NC free electives during the sophomore, junior, and senior years.
8. A grade of D is considered passing in the case of P/NC classes.

Posthumous Conferral of Degree

Slippery Rock University may recognize a student's work by conferring a degree or special certificate posthumously. In the event of an accidental death or fatal illness of a student, the university may confer the degree or certificate. The student will have completed all or nearly all of the requirements for a degree. The student will have completed at least one year at SRU for the award of a certificate.

Procedure: The family, or an academic department on behalf of the family, if requested, may initiate the nomination for a posthumous degree or certificate. The college undergraduate dean will be informed of the petition by the family or the academic department. The dean will provide a recommendation along with a verification of the student's academic standing and degree progress to the Provost for approval. In the instance of a posthumous graduate degree, the appropriate college dean and the Director of Academic Records and Registration will provide a recommendation to the Provost for approval by the President.

Degree Conferral: The family may select one of two options:

1. The President or Provost may confer the degree in a quiet family ceremony at the university, with appropriate deans and faculty who knew the individual. Travel and accommodation arrangements for the family will be at the discretion of the family.
2. The degree may be conferred at commencement. The student's name will be listed in the commencement program where it would have been if the student had been present. Family members will be asked to attend commencement ceremonies and will be seated in the front row of the commencement seating. When the student's name is called a family member will walk across the stage and receive the posthumous degree.

Certificate Conferral: The family will receive a special certificate upon approval by the President.

Cabinet Approval December 20, 2004

Prerequisites and Co-Requisites

Students should not register for courses until they have completed all the appropriate prerequisites or are registered for the appropriate co-requisites as noted in the university catalog. The university's computer system has been programmed to check for pre/co-requisites. Professors reserve the right to drop students who have not completed/registered for the appropriate pre/co-requisites for their classes.

Readmission

Undergraduate

Students who have interrupted their attendance at SRU for any reason may resume studies at Slippery Rock University by applying for readmission.

Students in Good Academic Standing: Students who interrupted registration for one or more semesters and were in good academic standing at the conclusion of the last semester of attendance may be reactivated to attend the institution. Students can apply for readmission (<https://www.sru.edu/admissions/readmission/>) through Transfer Admissions; credits earned during the time away from SRU will be evaluated and posted to the student's degree audit by Transfer Admissions. Questions can be addressed to transferadmissions@sru.edu.

Dismissal/Suspension/Probation: Students who are placed on academic suspension for the first or second time and have an interest in returning to the University after sitting out for the one or two semester period will request readmission (<https://www.sru.edu/admissions/readmission/>) through Transfer Admissions. Questions can be addressed to transferadmissions@sru.edu.

For best service, processing time, and advisement, students should contact the university at least a month in advance of the beginning of the term in which they wish to enter the institution. The readmission process consists of completing the online application (<https://www.sru.edu/admissions/readmission/>), forwarding of all official transcripts from all institutions attended after leaving SRU and, when requested, submission of a written narrative from the student describing academic goals upon return to SRU as well as a plan to ensure academic success.

Students who attended other institutions since their withdrawal, suspension, or dismissal from SRU or who have earned credit by exam will have their official transcripts/score reports forwarded to Transfer Admissions for the formal evaluation and posting of credits to the degree audit.

The readmitted student should contact Financial Aid (<https://www.sru.edu/admissions/financial-aid/>) to determine how their aid may be impacted through readmission. Readmitted students are responsible for meeting all academic requirements in effect at the time they are readmitted, not at the time they were originally admitted to the university.

Graduate

Graduate students should contact Graduate Admissions at graduate.admissions@sru.edu or 724-738-2051 for information on readmission. If a student is within or out of the statute of limitations and in good academic standing, Graduate Admissions will reactivate the student's file. Students should complete the Request for Reactivation of Student Record (<https://sruenrollment.wufoo.com/forms/m1c9ljs41abk387/>). If a student is on academic suspension, the student must appeal to the dean for retry by completing the Request for Readmission (<https://sruenrollment.wufoo.com/forms/mvjph260eck50e/>).

Records Privacy

For the purposes of complying with FERPA, an applicant to SRU becomes a “student” on the first day of the first term/semester in which the student is registered at the University.

(PL 93-380 & Right to Know Law: PA PL 390)

The Family Education Rights and Privacy Act (FERPA) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the university receives a request for access.

Students should submit to the Director of Academic Records and Registration, Dean, Department Chairperson, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students may ask the University to amend a record that they believe is inaccurate or misleading. They should write the University official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interests. A school official is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the Council of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

Upon request, the University may disclose education records without consent to officials of another school in which a student seeks or intends to enroll.

4. As of January 3, 2012, the U.S. Department of Education's FERPA regulations expand the circumstances under which your education records and personally identifiable information (PII) contained in such records—including your Social Security Number, grades, or other private information—may be accessed without your consent. First, the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or state and local education authorities ("Federal and State Authorities") may allow access to your records

and PII without your consent to any third party designated by a Federal or State Authority to evaluate a federal- or state-supported education program. The evaluation may relate to any program that is "principally engaged in the provision of education," such as early childhood education and job training, as well as any program that is administered by an education agency or institution. Second, Federal and State Authorities may allow access to your education records and PII without your consent to researchers performing certain types of studies, in certain cases even when we object to or do not request such research. Federal and State Authorities must obtain certain use-restriction and data security promises from the entities that they authorize to receive your PII, but the Authorities need not maintain direct control over such entities. In addition, in connection with Statewide Longitudinal Data Systems, State Authorities may collect, compile, permanently retain, and share without your consent PII from your education records, and they may track your participation in education and other programs by linking such PII to other personal information about you that they obtain from other Federal or State data sources, including workforce development, unemployment insurance, child welfare, juvenile justice, military service, and migrant student records systems.

5. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Slippery Rock University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

Student Privacy Policy Office
U.S. Department of Education
400 Maryland Avenue, SW
Washington, DC 20202-4605

Copies of the University's policy governing the Family Education Rights and Privacy Act are available in the Office of Academic Records and Registration, Room 107, Old Main. Questions concerning FERPA should be referred to the Director of Academic Records and Registration.

For more information see SRU's Policies and Procedures Governing FERPA & PA's Right to Know Law Document.

Registration Procedures

Registration date and time assignments for the current registration period will be made available on MySRU to all eligible students approximately two weeks prior to the registration period.

Undergraduate Students - Undergraduate degree-seeking students enrolled at Slippery Rock University during the current semester, who have not applied to graduate at the end of the current semester, will be eligible to register without seeking readmission. Your specific registration date and time assignment will be displayed in MySRU. To register, all undergraduate students must receive their registration PIN (RPIN) from their adviser or major department. RPIN's are used only for fall/spring registration.

Post-Baccalaureate Students - A person who has already obtained a bachelor's degree and wishes to pursue another undergraduate degree or just wishes to take a few classes for personal enrichment may obtain an application by contacting the Office of Undergraduate Admissions (<https://www.sru.edu/admissions/other-admissions/post-baccalaureate-students/>). Post-baccalaureate student registration begins on the first

day of the registration period at 10 a.m. Post-baccalaureate students do not need an RPIN.

Graduate Students - Graduate degree-seeking students who have been in attendance during the current semester or the three preceding semesters (fall/spring) may register without seeking reactivation or readmission. Graduate student registration will begin on the first day of the registration period at 8 a.m. Graduate students do not need an RPIN.

New Students (undergraduate and graduate degree-seeking students) - A person who has never attended Slippery Rock University may obtain the appropriate application by contacting either the Office of Undergraduate Admissions (<https://www.sru.edu/admissions/>) or the Office of Graduate Admissions (<https://www.sru.edu/admissions/graduate-admissions/>). New first-year freshmen will have schedules made for them. New transfer and graduate students will receive registration instructions from the respective Admissions Office, and will register based on their student type listed above, undergraduate, post-baccalaureate, or graduate.

Former Students - An undergraduate degree-seeking student who did not attend Slippery Rock University during the current semester, or a graduate degree-seeking student who has not been in attendance during the past four fall/spring semesters, must submit a request for readmission to the Office (<https://www.sru.edu/offices/exploratory-studies-and-academic-progress-office/>) of Exploratory Studies and Academic Progress (<https://www.sru.edu/offices/exploratory-studies-and-academic-progress-office/>) (undergraduate students) or the Office of Graduate Admissions (<https://www.sru.edu/admissions/graduate-admissions/>) (graduate students). Once readmitted, former students will register based on their student type listed above, undergraduate, post-baccalaureate, or graduate. (During the period of inactivity for the graduate student, the statute of limitations (p. 1208) will continue to be applied.)

Transient/Non-Degree Seeking Students - A student who wishes to attend SRU as a non-degree seeking student, should contact the Office of Undergraduate Admissions (<https://www.sru.edu/admissions/>) (undergraduate students) or the Office of Graduate Admissions (<https://www.sru.edu/admissions/graduate-admissions/>) (graduate students). Once admitted, transient/non-degree seeking students will be provided registration instructions in their acceptance communications from the respective Admissions Office. These students must reapply for each semester they wish to attend SRU.

Repeat of Courses

Undergraduate

Students may attempt to improve their grade point average by repeating courses. The most recent grade earned is used in calculating the GPA even if the earlier grade was higher. If a passed course is repeated and failed (or NC), the student will lose both the grade points and credits previously earned. All grades will appear on the transcript. Courses in which a grade was earned at Slippery Rock University may not be repeated at any institution. A grade of W (withdraw) does not count as an earned grade.

Students who repeat a course must do so using the same grading system under which they originally took the course. For example, a student who originally took a course graded A-F may not repeat the course on a P/NC, P/F, or audit basis. Students may not repeat a course by using any Credit by Examination program if they originally took the course on a graded A-F, P/NC, P/F, or audit basis.

Undergraduate students will be limited to a maximum total of six repeats during their entire SRU academic career, excluding withdrawal grades.

In addition, repeats of a single course will be limited to a maximum of two. This means, no single course may be taken more than three times (excluding withdrawal grades).

The course repeat policy for post-baccalaureate students is the same as the undergraduate student policy.

Graduate

Graduate students may repeat a single course only once. In addition, graduate students will be limited to a maximum of two repeats during their entire graduate enrollment. The most recent grade (regardless of whether it is higher or lower) will be the grade used in the student's CGPA calculation.

Research Requirements (Graduate)

Candidates for a graduate degree must demonstrate the scholar's approach to the acquisition and analysis of information in a field of specialization. Advisers welcome imaginative research proposals.

Both thesis and non-thesis programs require research. Students should confer with an adviser or the graduate coordinator for detailed information concerning research requirements for specific degrees and majors. Students conducting research involving human subjects are required to follow the guidelines and obtain the required approvals of the SRU Institutional Review Board for the protection of human subjects.

Students pursuing a thesis or dissertation program should contact their academic adviser concerning research after completing about one-half of the degree coursework. The adviser will assist the student with the necessary steps (such as preliminary selection of a topic and arranging for the appointment of a committee) to proceed. Graduate students receive considerable guidance in the preparation of a thesis/dissertation.

Three bound copies of the thesis/dissertation will become the property of Slippery Rock University. Additional copies may be required by the program's department.

Students pursuing a non-thesis program are required to do research in conjunction with specific courses and may be required to complete an internship.

Residency

Undergraduate

To qualify for graduation, all students must complete 30 of their final 60 credits in residence at Slippery Rock University. In addition, at least 24 credits of upper division course work must be earned in residence at Slippery Rock University. If students declare a minor or certificate, 6 credits from the minor or certificate must be earned in residence at Slippery Rock University.

At least 50% of all major credits must be earned at Slippery Rock University or another PASSHE university.

Collaborative programs will be identified such that residency can be met consistent with the collaborative agreement.

Graduate

Master's students must earn at least two-thirds of the credits meeting program requirements at SRU. Collaborative programs will be identified such that requirements can be met consistent with the collaborative agreement.

DPT, OTD, and Ed.D. residency requirements are determined at the program level.

Second Degree

Undergraduate

Second Baccalaureate Degree

If students wish to earn a second baccalaureate degree after earning their first baccalaureate degree, students must enroll as a Post-Baccalaureate student and will need to complete a minimum of 30 new credits in his or her selected major program above and beyond his or her first undergraduate degree. Post-Baccalaureate students earning a second degree will meet all departmental requirements for the degree with respect to required GPA, credit and courses for a major in that department, as well as meeting degree requirements with respect to the GPA and courses required for the requested degree. Students who are seeking a B.A. Degree must complete the University's Modern Language Proficiency Requirement (p. 1201) at or above the 103 level.

Exceptions to this policy must be approved by the student's chairperson and dean of the second degree. As a post baccalaureate student, please check with the Financial Aid Office for available financial aid.

Graduate

Second Master's Degree

In order to qualify for a second master's degree, regardless of where the first master's degree was earned, the graduate student must:

- Successfully complete a minimum of 15 semester hours of credit at Slippery Rock University beyond the first master's degree.
- Apply no more than 12 semester hours of credit from the first degree toward requirements for the second degree.
- Meet departmental requirements for the degree with respect to the required semester hours of credit and courses for a major in that department.
- Complete all requirements for the degree, with the exception of credits accepted from the program of the first degree, within the six-year statute of limitations.
- Satisfy all incompletes prior to graduation.
- Meet all other University requirements for graduation and be in good standing.

Exceptions to these policies must be approved by the student's chairperson and dean of the second degree.

Semester Credit Load (Undergraduate)

The number of credits an undergraduate student may carry is determined by the cumulative grade point average as follows:

- If the cumulative GPA is less than 2.000, students are limited to a maximum of 16 credits, inclusive of any repeat courses that are scheduled.
- If the cumulative GPA is 2.000 to 2.499, a maximum load of 18 credits is permitted.
- If the cumulative GPA is 2.500 or above, a maximum of 21 credits is permitted. An additional fee is charged for each credit in excess of 18.

Students wishing to register for more than the maximum number of credits noted above must complete a Request to Register for Excess Hours form (<https://www.sru.edu/academics/academic-services/academic-records/forms/>), have it approved, and returned to the Office of Academic Records and Registration for processing.

Senior Citizens

This policy is intended for retired senior citizens 62 or older interested in taking courses at Slippery Rock University. Senior citizens may audit undergraduate courses at no cost on a space-available basis and provided that they are not courses in which the instructor will be compensated over and beyond their regular salary (ex. Independent Study, Individualized Instruction, musical lessons, Internships, etc.). Senior citizens must provide proof of age and a completed Senior Citizen Application to the Office of Academic Records and Registration in order to complete registration. Senior citizens may register for classes one week prior to the start of the semester/term (Fall/ Winter/ Spring / Summer). Course auditing does not generally include the taking of exams, writing of papers, recording or reporting of grades or other requirements generally associated with college credit; however, the senior citizen may participate in these activities through mutual agreement with the faculty instructor.

Degree-seeking or non-degree seeking senior citizens taking undergraduate courses for credit must apply through undergraduate admissions and pay all applicable fees, including tuition. Senior citizens auditing courses that require an instructor to be compensated over and beyond their regular salary are responsible for paying all applicable fees, including tuition.

To take graduate courses, whether degree-seeking or non-degree seeking, senior citizens must apply through graduate admissions and pay all applicable fees and tuition. Graduate courses are to be taken for credit only and cannot be audited.

For more information contact the Office of Academic Records and Registration, 724-738-2010.

Senior Undergraduate Students Earning Graduate Credit (Undergraduate)

SRU undergraduates who have earned 90 or more credits (including current courses in progress) with a minimum 3.00 GPA are eligible to apply (<https://www.sru.edu/documents/academics/academic-services/academic-records/Graduate%20Credit%20%E2%80%93%20Senior%20Undergraduate%20Student%20Permission%20to%20Enroll.pdf>), enroll, and earn graduate level credit. Credits earned are graduate level only, separate from the undergraduate credits earned for degree and will not be calculated in the student's undergraduate credit and grade point totals. Graduate credits taken as an undergraduate student are not eligible for financial aid. Graduate areas

of study reserve the right to limit student enrollment in graduate level courses. Some graduate level courses may have prerequisites and/or course expectations which prohibit the enrollment of undergraduate students. Students may not take more than two graduate level courses per semester. A limit of 6 graduate credits may be earned prior to formal admission as a graduate level student. Students pay undergraduate level tuition and fees for graduate level courses and credit. This policy does not apply to undergraduate post-baccalaureate students and undergraduate students eligible to take 500 level courses for undergraduate credit. Effective for new students entering SRU as of Fall 2023.

Statute of Limitations (Graduate)

All requirements for master and doctoral degrees must be completed within a six-year period once a student matriculates into a degree program, with the exception of TESOL (4 years) and MBA (3 years).

The student's academic dean may extend this period upon written request from the student for justifiable reasons. This extension request must be supported by the graduate coordinator before submission to the academic dean. Once a student matriculates into a graduate program, there will be an absolute limit of ten years to complete all degree requirements.

Student Identity Verification in Distance Learning

POLICY STATEMENT

This policy applies to all credit-bearing distance education courses or programs offered by the Slippery Rock University, beginning with the application for admission and continuing through to a student's graduation, transfer, or withdrawal from study. The purpose of this policy is to ensure that Slippery Rock University operates in compliance with the provisions of the United States Federal Higher Education Opportunity Act (HEOA) concerning the verification of student identity in distance education.

The HEOA requires that institutions offering distance education or correspondence courses or programs have processes in place to ensure that the student registering for a course is the same student who participates in the course or receives course credit. The Act requires that institutions use one of the following three methods:

- A secure login and pass code;
- Proctored examinations; and
- New or other technologies and practices that are effective in verifying student identification.

For this purpose, Slippery Rock University requires all students to use their official University ID and password for purposes of identity verification for distance learning.

PROCEDURES

- The SRUID system is a University authentication and security measure to ensure that accounts are managed more securely across University campuses. All students at Slippery Rock University are provided a SRUID for secure access to University systems, including for distance learning upon depositing to campus. New students set up their account and are directed to use the password management to store a four digit pin and two security questions to be used in the event that students need to change their password or reclaim their

SRUID. In the event this has not been done, students can contact the Help Desk and verify their identification through a variety of questions with full-time staff.

- Students are responsible for providing their complete and true identity information in any identification verification process. It is against University policy for a user to give someone his or her password or to allow others to use his or her account.
- Slippery Rock University's learning management system integrates with University authentication services to ensure appropriate and secure student access to courses and other Student Information Systems. All users of the University's learning management system are responsible for maintaining the security of IDs and passwords, or any other access credentials as required. Attempting to discover another user's password or attempts to gain unauthorized access to another person's files or email is prohibited.
- In addition, the University's Student Information System provides instructors access to class rosters that includes student photos associated with their name and account. The learning management system also provides student photos associated with their account, and if set up by the student, is visible in areas of the course including the discussion. Live audio and video of students interacting in the course is also a feature of the learning management system. As technology and personal accountability are not absolute in determining a student's identity, faculty members are encouraged to use these technologies and to design courses that use assignments and evaluations that support academic integrity.
- At this time there are no additional student fees associated with student verification. Slippery Rock University is currently experimenting with a video tool used for identification/integrity purposes. In the event any verification fee is needed, it will be posted on the course registration site to provide an advance alert to students.
- Slippery Rock University complies fully with the provisions of the Family Educational Rights and Privacy Act (FERPA), 20 U.S.C. 1232g. This act protects the privacy of student information in distance education by requiring, with certain limited exceptions, that the student's consent must be obtained before disclosing any personally identifiable information in the student's education records. Additional information on FERPA and student record access can be found at: <http://www.sru.edu/academics/academic-services/academic-records/policies-regulations-and-catalogs> (<https://www.sru.edu/academics/academic-services/academic-records/policies-regulations-and-catalogs/>)

SANCTIONS

Students who violate this policy are subject to disciplinary action through the Student Code of Conduct Policy

RESPONSIBILITY FOR IMPLEMENTATION

The Office for Information and Administrative Technology Services (IATS), part of the Division of Academic Affairs, is responsible for ensuring compliance with this policy and that deans, department chairs, and program coordinators are informed of any changes in the policy in a timely fashion. IATS is also responsible for ensuring that university-level processes remain in compliance with this policy.

SCOPE OF POLICY COVERAGE

This policy applies to all students taking distance education courses.

Authority for creation and revision

Reviewed by: ASA Academic Policy Committee, 1.30.16

Approved by: University Cabinet, 8.07.17

Student Responsibility

Students are expected to know the requirements for their degree program. While academic advisers and faculty members will endeavor to aid students, the responsibility for compliance with regulations and requirements rests with the student.

Summer and Winter Sessions

Summer sessions at Slippery Rock University are as follows:

- Pre-Session (two and one-half weeks)
- Session I (four weeks)
- Session II (four weeks)
- Summer Term (eight weeks)
- Full Summer (ten weeks)
- Post-Session for Internships
- Extended Summer Term (Physician Assistant Students Only)

Information on the summer sessions is made available through an online summer schedule, which may be accessed from the Academic Records and Registration website in mid-March.

Students may enroll for up to 6 credits in Pre-Session, 7 credits in Sessions I and II and 12 credits in Full Summer, Summer Term and Post-Session. Undergraduates may take no more than 18 credits for all summer sessions combined. For more information about summer sessions, please visit the Summer Session webpage (<https://www.sru.edu/academics/summer-session/>).

Winter session runs between fall and spring semesters. All courses are offered online, at the Regional Learning Alliance, or off-campus (internships). Students are permitted to take up to 7 credits in Winter session. Information on Winter session is made available through a Winter Session webpage (<https://www.sru.edu/academics/winter-session/>) in early November.

The Rock/Basic Course Requirements (Undergraduate)

The following Basic Requirement/The Rock courses are subject to the university's continuous registration policy:

Liberal Studies Program	Rock Studies Program
Civil Discourse (COMM 200)	Civil Discourse (COMM 200, POLI 235, PHIL 110)
Critical Reading (ENGL 104)	Critical Reading (ENGL 104)
Critical Writing (ENGL 102)	Critical Writing (ENGL 102)
	Quantitative Reasoning (MATH 117)
	Foundations of Academic Discovery (SUBJ 139)

These courses will be graded as A, B, C, or NC (no credit). If an "NC" is earned, students must repeat the course during their next semester of

enrollment if seats are available, and must continue taking the course until it is passed with a grade of "C" or better.

Beginning spring 2023, students are not permitted to drop or withdraw from any of the Basic Requirement/The Rock courses listed above once the course has started. In addition, students are not permitted to drop or withdraw from Beginning Algebra ESAP 110 once the course has started. This policy is in effect for fall and spring semesters only.

Theses (Graduate)

Theses (Graduate) page text:

The final copy of a student's thesis must be submitted in a PDF Format to Bailey Library. To do so, use the Submission Form (link below) to submit your thesis, which will be added to the institutional repository, with a record added to the library catalog.

Please contact rockarchives@sru.edu with any questions or concerns regarding the submission process.

Students should consult with their faculty adviser/graduate coordinator for official thesis style guides. Approval code from the Institutional Review Board for the Protection of Human Subjects (IRB-PHS) is required before data collection involving human subjects may begin. Research protocol guidelines may be obtained from the chair of the IRB-PHS.

Submission Form: <https://sru.libwizard.com/f/etdform>

(<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsru.libwizard.com%2F%2Fetdform&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa96447076d94ece62d208dd689a85b3%7C86555dba073b4ff7b7d1b73a77c5b%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOiIwLjAuMDAwMCIslIAiOiJXa%3D%3D%7C0%7C%7C&sdata=3lOIRZrUj79AP%2F%2BWgXvsN8sIDl5ts%2BKe8l0VUZsacMA%3D&reserved=0>)

url=<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fsru.libwizard.com%2F%2Fetdform&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa96447076d94ece62d208dd689a85b3%7C86555dba073b4ff7b7d1b73a77c5b%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOiIwLjAuMDAwMCIslIAiOiJXa%3D%3D%7C0%7C%7C&sdata=3lOIRZrUj79AP%2F%2BWgXvsN8sIDl5ts%2BKe8l0VUZsacMA%3D&reserved=0>

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%2BWgXvsN8sIDl5ts%2BKe8l0VUZsacMA%3D&reserved=0)

Institutional Repository: <https://harbor.klnpa.org/slipperyrock/islandora/object/SRS%3AETD>

(<https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fharbor.klnpa.org%2Fslipperyrock%2Fislandora%2Fobject%2FSRS%253AETD&data=05%7C02%7Cchristine.agostino%40sru.edu%7Caa96447076d94ece62d208dd689a85b3%7C86555dba073b4ff7b7d1b73a77c5b%7CTWfPbGZsb3d8eyJFbXB0eU1hcGkiOnRydWUslYiOiIwLjAuMDAwMCIslIAiOiJXa%3D%3D%7C0%7C%7C&sdata=nuSgxGawmgouZKFHbaQIh6KGm3h08msxpTlZVL5oxA0%3D&reserved=0>)

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%7C&sdata=nuSgxGawmgouZKFHbaQIh6KGm3h08msxpTlZVL5oxA0%3D&reserved=0)

Total Semester Hours of Credit and GPA (Graduate)

A minimum quality point average of 3.000 and between 30 and 60 semester hours of approved graduate credit and other individual program requirements are required for a master's degree. To assure a balanced and comprehensive program, additional hours may be required or desired by the student. Completion of the semester hour requirement does not in itself entitle one to receive a degree, and the university is not obligated to confer a degree upon completion of the required credit hours.

Additional degree program and university graduation requirements may apply. Requirements vary among programs; therefore, the student should check with graduate coordinators for specific degree or certificate requirements. Physical Therapy, for example, has requirements different from other programs as noted in the Graduate School of Physical Therapy

Student Manual. This also applies to the Doctor of Occupational Therapy and Ed.D. programs.

Transcripts

Students may obtain official transcripts of their academic records from the Office of Academic Records and Registration (<https://www.sru.edu/academics/academic-services/academic-records/request-a-transcript/>) by written request or placing an online order. A complimentary copy of the transcript is sent to all students upon graduation. Transcripts are not released to students who have outstanding financial obligations, or other holds at the University. The University only issues official transcripts. Unofficial transcripts for currently enrolled students exist on MySRU under the Student Profile tab. Official transcripts include the student's entire undergraduate and graduate record. Students may request to have only their SRU undergraduate or graduate record sent.

A student's academic transcript will indicate any disciplinary action taken that leads to separation from the institution. That is, should a student be suspended or dismissed from the university under the provisions of the Code of Conduct (<https://www.sru.edu/offices/student-conduct/code-of-conduct/>), a notation will be placed on the student's transcript for the duration of the sanction. The notation will be removed upon expiration or by action of the Provost and Vice President for Academic Affairs; Chief Academic Officer or Chief Student Affairs Officer.

Transfer Credit Undergraduate

- In accordance with the **PA State System of Higher Education Board of Governors Policy 1999-01-A: The Transfer Student Policy**, Slippery Rock University of Pennsylvania strives to transfer college credit in a student-centered, fair, consistent, flexible manner, while maintaining the academic integrity of the university and its curricula.
- The acceptance or denial of transfer credit is not determined exclusively based on the accreditation of the sending institution or the mode of delivery. However, in some cases, programmatic accreditation at the higher education level is expected of the transfer institution.
- Courses, programs, and occupational experiences for military-related learning are evaluated based on their learning outcomes, using valid evaluation measures, including the recommendations of the American Council on Education (ACE), a third-party review conducted by appropriately qualified reviewers and their recommendations.
- Courses and programs evaluated and recommended for transfer credit by the NCCRS (National College Credit Recommendation Service) will be considered for transfer in concert with the academic departments.
- SRU does not limit the number of credits a student may transfer to the University; however, students must complete all university **graduation requirements**.
- SRU will consider all non-developmental transfer credits for which a letter grade of "D-" or greater was earned.
- SRU converts Quarter Hour credits to Semester Hour credits by multiplying the Quarter Hours by .666. Resulting credit hours valued as a fraction or percentage, 2.33, 2.5, etc., may be used to meet requirements. However, students must still earn a total of 42 credits of Rock Studies Requirements to meet all university graduation requirements.

- All questions and appeals regarding the transfer of credits to Slippery Rock University of Pennsylvania should be directed to the Transfer Admissions area of the Office of Undergraduate Admissions. There, questions are reviewed by the University's official credit evaluators and, if needed, are reviewed in consult with the chairperson of the academic department associated with the course. If a course syllabus is needed to further investigate the student's appeal, it is the responsibility of the student to provide this information. The Transfer Admissions office strives to respond to the student with a final determination within 10-14 days of receipt of the appeal/receipt of the syllabus.

Graduate

Graduate students requesting graduate transfer credit must complete the Graduate Student Transfer Credit Form (<https://www.sru.edu/Documents/admissions/graduate/Graduate-Student-Transfer-Credit-Form.pdf>) and submit to the Graduate Admissions Office with official graduate transcripts. Acceptance or denial of transfer credit is not determined exclusively on the basis of the accreditation of the sending institution or the delivery method of the course(s), but is based on how well the course matches and aligns with the current curriculum of the graduate program in which the student is enrolled and with faculty approval. At times, faculty may request a syllabus to be submitted for the course the student is transferring.

A maximum of one-third or 12 semester graduate credit (course) hours (whichever is met first) of the of the program's required total credit hours may be transferred to Slippery Rock University. For example, in a 30 credit hour graduate program, no more than 10 credits may transfer. These credits must carry at least a "B" grade, and be approved by the appropriate graduate program coordinator and the Director of Graduate Admissions. Those grades received for courses other than Slippery Rock University's will be recorded but will not be included in the student's cumulative grade point average.

Credits earned in extension courses and in off-campus centers of other institutions will be reviewed for acceptance. Transfer of credits from other institutions will be recommended by the graduate coordinator and be approved/disapproved by the Director of Graduate Admissions. No more than six semester hours shall be transferred from another institution if taken after a student has been admitted to a graduate program at Slippery Rock University.

Appeals of transfer credit evaluation must be made in writing to the Graduate Coordinator for review by the Graduate Coordinator and the Director of Graduate Admissions.

The Graduate Transfer of Credit Policy is reviewed annually by the Graduate Council.

Transient Student Status (Undergraduate)

Slippery Rock University students who are in good academic standing, or who are under academic probation/suspension and plan to take courses at another institution for transfer back to Slippery Rock University must complete and have approved by their adviser, chairperson and dean (if suspended) a transient student clearance form and comply with all regulations cited on that form. Credit will not be awarded for transient courses determined by the Director of Academic Records and Registration or his/her staff to duplicate coursework already posted on students' SRU records. Transient credit will be awarded for courses

in which grades of “D-” or better have been earned. Grades earned as a transient student will not be computed in students’ SRU cumulative GPAs. Copies of the Transient Student form are available in the Office of Academic Records and Registration and online (https://www.sru.edu/documents/academics/academic-services/academic-records/Transient_Clearance_UGRD.pdf). Transient students may not take credit earned by examination. Other policies governing transient status are available from the Office of Academic Records and Registration. Students must complete 30 of their last 60 credits in residence at SRU. In addition, individual departments may establish residency requirements for their majors and minors. Students should check with their academic adviser to determine the requirements for their academic program.

Upper Division Course Work (Undergraduate)

All degrees require the completion of a minimum of 48 credit hours of upper division course work defined as any 100-or 200-level course with two or more 3-credit prerequisite courses (including sequential prerequisites, but not including basic competency courses or exams) and any 300- and 400-level courses. At least 24 of the 48 credits must be completed at Slippery Rock University.

At least half a student’s major must consist of upper division course work (only 300-level and above).

Students with fewer than 45 credits (Sophomore II) must have the permission of the instructor to enroll in 300 and 400 level courses.

Veteran Students Course Scheduling

Act 46 of 2014 requires public institutions of higher education in Pennsylvania to provide veteran students, as defined in the Act, with preference course scheduling. Non-compliance may be reported to the Pennsylvania Department of Education by submitting the Higher Education Complaint form found at: www.education.pa.gov (<https://www.education.pa.gov/Postsecondary-Adult/CollegeCareer/Pages/Students-Complaints.aspx>).

In accordance with the Pennsylvania “Higher Education Course Scheduling Preference for Veteran Student Act”, Slippery Rock University has broadened the definition of “veteran student” to include the following groups of students:

1. Any student who “has served in the U.S. Armed Forces, including a reserve component and National Guard, and was discharged or released from such service under conditions other than dishonorable”.
2. Any student currently serving in any branch of the U.S. Armed Forces, including a reserve component and National Guard.
3. Any contracted SRU ROTC student.

Veterans receiving “course scheduling preference” will be assigned the first registration date and time within their respective class level... graduate, post-baccalaureate and undergraduate.

Students, who have identified themselves as being “veterans”, as defined above, will automatically receive their priority registration date and time on MySRU. For consideration of transfer credit for military education and occupational training, Veterans should submit a Joint Services Transcript (JST) or Community College of the Air Force (CCAF) transcript to the

Transfer Admissions Office. A copy of the DD214 or current Military ID should be submitted to the Veterans Certifying Official.

Students with questions concerning course scheduling preference for veterans may contact any of the following individuals:

Ms. Keshia Booker - Assistant Director of Multicultural Development, Keshia.Booker@sru.edu, 724-738-4440

Ms. Connie Edwards – Director of Academic Records and Registration, Rebecca.Farren@sru.edu, 724-738-4381

Ms. Amber Korcok - Veterans Services Coordinator, Amber.Korcok@sru.edu, 724-738-2862

Visiting Students (PASSHE)

Students desiring to transfer credit and grades earned at other universities in the Pennsylvania State System of Higher Education back to Slippery Rock University may do so as “Visiting Students.” Courses taken under this program are treated the same as courses taken at Slippery Rock University in computing the students’ GPA. A special form, with a list of program requirements, is available in the Office of Academic Records and Registration and online (<http://www.sru.edu/academics/academic-services/academic-records/forms/>) and must be approved by the students’ adviser or chairperson, academic dean, and the Director of Academic Records and Registration.

Withdrawal From The University (Undergraduate)

REQUIREMENTS AND PROCEDURES FOR WITHDRAWING FROM THE UNIVERSITY

Students electing to withdraw from the university can do so through an e-withdrawal form which is located in the MySRU portal under ACADEMICS>ACADEMIC SUPPORT TOOLS>WITHDRAW FROM SRU. Only standard withdrawals may be completed through this form. For medical-related withdrawals, students should contact the Office of Student Support at 724-738-2121.

Undergraduate students who have left the university for whatever reason and for whatever length of time and are readmitted are responsible for meeting all graduation (Liberal/Rock Studies and major) requirements that are in effect the term they are readmitted, not the term they originally entered the university.

The last official day to withdraw from the University (all classes) is the day before Final Exams start. Please see the Academic Calendar (<https://catalog.sru.edu/academic-calendar/>) for specific dates.

Writing Outcomes For Slippery Rock University Graduates (Undergraduate)

1. Programs may ensure that their graduates attain the outcomes for writing ability determined for their disciplines through any of the following methods:
 - a. The outcomes could be demonstrated through work completed in a number of courses. Faculty in a program would identify the

courses and the number of courses that could ensure graduates would attain the designated writing outcomes.

- b. Each program could designate course(s) either within the major or outside the major that students would need to complete in order to attain the writing outcomes for their major program.
 - c. The program's faculty could be charged with incorporating writing outcome in all courses within a program. Writing outcomes for the program would be accomplished through the practice of writing within the discipline throughout the program and demonstrated through production of a graduation portfolio during the senior year. The portfolio could be graded anew, or consist of already graded completed writing.
 - d. A program could use a combination of any of the above methods to ensure its graduates' attainment of the writing outcomes designated for the program.
2. Writing outcomes required of graduates of a major program should always be determined by the faculty teaching within the program; those same faculty should always determine whether the writing outcomes are being met.
 3. The university assessment core committee will evaluate and approve each major program's plan to implement and assess writing outcomes for the program's graduates. Each plan should include the following as appropriate:
 - a. A rationale for the method used to determine the graduation writing outcomes that would include accreditation standards and/or best practices in the discipline.
 - b. A description of the graduation learning outcomes for the program.
 - c. The curriculum for the program.
 - d. A rubric that will assess the plan's coherence with the university's, accreditation agency's, and/or discipline's stated writing outcomes for graduates.
 - e. If a course or set of courses is chosen, course outline(s) highlighting graduation writing outcomes should be submitted.
 - f. If a graduation portfolio is chosen, the rationale should specify the writing outcomes targeted and an explanation of how they will be demonstrated by the student in the portfolio presentation.
 4. The university will provide for support to assist programs in the development of implementation and assessment plans, and in faculty development regarding writing instruction within a discipline. This support may come from the Center for Excellence in Teaching and Educational Technology, the university's assessment core committee, or some other entity developed for the purpose of enhancing writing outcomes among SRU graduates. The Writing Center will continue to provide support for students as they develop their writing abilities.

outstanding course requirement the student needs to complete. This is different from an incomplete grade (p. 1199), which students must request.

- The X grade may also be assigned to a course by the Office of Academic Records and Registration at the end of a term when a grade is not submitted by the instructor. The Office of Academic Records and Registration will notify the dean of the college in which the course is taught that an X grade has been assigned. The dean of the college offering the course will request that the instructor submit a grade change form as soon as possible to assign a final grade for the student.

Other provisions:

- The X grade will not affect the student's semester or cumulative GPA at the time the grade is given. However, the X grade must be removed from the student's record prior to the end of the student's next semester of enrollment. At the end of the student's next semester of enrollment, the grade of X will be converted to a grade of F. At that time, the student's semester and cumulative GPA will be recalculated to include the grade of F;
- The X grade cannot be extended beyond the student's next semester of enrollment;
- If a graduating student receives a grade of X during their final semester of enrollment, the student will be permitted to graduate as long as the course in question is not required for graduation;
- A student should not re-register for a course for which they have received a grade of X in an attempt to complete any coursework. The grade of X cannot be resolved through a second registration or repeat of the course. The grade of X can only be resolved by communicating with the instructor of record a more appropriate course of action for the assignment of a final grade;
- An X should not be assigned to allow the student an opportunity to repeat the entire course;
- Students who have stopped attending class or who have never attended class should be assigned a grade of F. Students are responsible either for completing the required work in the course or withdrawing from a course for which they have been registered. If the instructor feels an immediate failing grade is not warranted, assigning the grade of X extends the student's opportunity to communicate with the instructor regarding a more appropriate course of action for the assignment of a final grade.

X Grades

The grade of X means "no grade given." The X grade may be awarded under the following circumstances:

- If a faculty member determines the student has not completed assignments or that course activities were not sufficient to make a normal evaluation of academic performance, a grade of X may be assigned. Note that once the X grade is entered, the instructor is required to indicate the date the student last participated or attended class;
- The X grade may also be used by an instructor if the student misses the final assessment (project or exam) and that is the only

COURSE SEARCH

Welcome to Course Search

Use the search panel on the left to find and narrow down courses of interest.

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