

# 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-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	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
<b>The Rock</b>		
SUBJ 139	Foundations of Academic Discovery <sup>1</sup>	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	
POLS 235	Civil Discourse and Democracy	
Subtotal		15

### Integrated Inquiry

<i>Creative and Aesthetic Inquiry</i>		
Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
<i>Humanities Inquiry</i>		
Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		3
<i>Social Science Inquiry</i>		

Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> )		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
<b>Thematic Thread</b>		
Select 12 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-program/</a> ) <sup>2</sup>		12
Subtotal		12
<b>Total Hours</b>		<b>42</b>

<sup>1</sup> Course offered in multiple subjects; cannot take course in first major subject.

<sup>2</sup> 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:		
Meet required minimum SAT or ACT math score OR		
ESAP 110	Beginning Algebra	0-3
<b>Total Hours</b>		<b>0-3</b>

### 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
<b>Core Courses</b>		
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 &amp; 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: 24

*Mind and Brain*

BIOL 102		
LEAD 344	Left and Right Brain: From Neuron to Culture	
PHIL 351	Philosophy of Natural Science	
INDP 202	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**

**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 10.15.20

UCC 10.15.19

<sup>1</sup> 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.