

# PSYCHOLOGY, BACHELOR OF SCIENCE (BS) - CONCENTRATION IN NEUROSCIENCE / PRE-PHYSICIAN ASSISTANT (SRU) (TRADITIONAL)

## Psychology Program Learning Outcomes

- 1. 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
- 2. 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
- 3. 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
- 4. Writing Competency:** Students should demonstrate competence in writing skills. a. UG 1: Act as effective communicators
- 5. 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 pre-requisites 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 pre-requisites 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/>)

Psychology Department Page (<https://www.sru.edu/academics/colleges-and-departments/ches/departments/psychology/>)

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	44
	Other Basic Requirements	0-3
	Computer Competency	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
<b>The Rock</b>		
SUBJ 139	Foundations of Academic Discovery <sup>1</sup>	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	
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-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )		3
<i>Humanities Inquiry</i>		
Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )		3
<i>Social Science Inquiry</i>		
Select 3 Credits ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )		3
<i>Physical &amp; 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		17
<b>Thematic Thread</b>		

Select 12 Credits (<https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/>)<sup>2</sup> 12

**Total Hours** 44

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

## Computer Competency

Code	Title	Hours
Demonstrate "computer competency" by one of the following:		0-3
Pass Computer Competency Exam OR		
Select one of the following at SRU or another post-secondary institution:		
CPSC 100	Introduction to Computing for Liberal Arts	
CPSC 110	Computer Concepts	
CPSC 130	Introduction to Computing and Programming	
PE 202	Technology for Wellness	
<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

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

Code	Title	Hours
<b>Goal 1: Scientific Literacy &amp; Foundations</b> <sup>1</sup>		
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<sup>1</sup>

<i>Psychology Core Courses</i>		
PSYC 244	Developmental Psychology	3
PSYC 276	Introduction to Abnormal Psychology	3
<i>Neuroscience Content Courses (select two)</i>		
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<sup>1</sup>

<i>Neuroscience Content Courses (select three)</i>		
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
<b>Total Hours</b>		<b>56</b>

<sup>1</sup> 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		4
BIOL 309		4
CHEM 108	General Chemistry II	3
CHEM 112	General Chemistry II Lab	1
EXSC 250	Medical Terminology	3
or HCAM 250	Medical Terminology for Healthcare Administrators	
<b>Total Hours</b>		<b>15</b>

## 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
<b>Prerequisite Courses - SRU Physician Assistant</b>		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
BIOL 209		4
BIOL 309		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
EXSC 250 or HCAM 250	Medical Terminology Medical Terminology for Healthcare Administrators	3
PSYC 105	Introduction to Psychology	3
	Inferential Statistics Course <sup>1</sup>	3
<b>Total Hours</b>		<b>39</b>

<sup>1</sup> Any statistics course with inferential statistics embedded. 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-PA SRU 3+2 (6SPP)

This program is effective as of Summer 2022

Revised 02.23.2023

UCC 01.31.2023

## Recommended Four-Year Plan

Course	Title	Hours
<b>First Year</b>		
<b>Fall</b>		
BIOL 114	Biology II: Foundations of Molecules, Genes and Cells with Lab	4
PSYC 105	Introduction to Psychology	3
ENGL 102	Critical Writing	3
ESAP 101	FYRST Seminar <sup>*</sup>	1
LIBR 110	Introduction to Library & Information Resources	1
STAT 152	Elementary Statistics I	3
<b>Hours</b>		<b>15</b>

### Spring

PSYC 231	Psychological Science I: Research Methods	3
	Creative & Aesthetic Inquiry ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
ENGL 104	Critical Reading	3
	Civil Discourse Requirement - select one	3
COMM 200	Civil Discourse: Theory & Practice	
PHIL 110	Ethics and Civil Discourse	
POLS 235	Civil Discourse and Democracy	
SUBJ 139	Foundations of Academic Discovery <sup>1</sup>	3
<b>Hours</b>		<b>15</b>

### Second Year

<b>Fall</b>		
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 ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
	Free Elective (Neuro Recommended)	3
	Declare a Thematic Thread <sup>2</sup>	
<b>Hours</b>		<b>16</b>

### 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
<b>Hours</b>	<b>14</b>
<b>Third Year</b>	
<b>Fall</b>	
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 ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
<b>Hours</b>	<b>16</b>
<b>Spring</b>	
Goal 2: Neuroscience Content Course #2	3
Goal 3: Neuroscience Content Course #1	3
BIOL 210 Medical Microbiology with Lab	3
EXSC 250 Medical Terminology	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
<b>Hours</b>	<b>15</b>
<b>Fourth Year</b>	
<b>Fall</b>	
PSYC 451 Research Capstone Internship	6
Goal 3: Neuroscience Content Course #2	3
BIOL 216 Anatomy and Physiology I with Lab	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
<b>Hours</b>	<b>15</b>
<b>Spring</b>	
PSYC 451 Research Capstone Internship	6
Goal 3: Neuroscience Content Course #3	3
BIOL 217 Anatomy and Physiology II with Lab	3
Thematic Thread Requirement ( <a href="https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/">https://catalog.sru.edu/undergraduate/rock-studies/rock-studies-quick-guide/</a> )	3
<b>Hours</b>	<b>15</b>
<b>Total Hours**</b>	<b>121</b>

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

<sup>2</sup> 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 is meant to serve as a guide. Some planners may show more than 120 credits because faculty have created flexibility in choosing courses. However, only 120 credits are required to obtain a degree. Please consult with your academic adviser and refer to your curriculum guide prior to registering for courses. This plan should be reviewed, and verified, by you and your academic adviser at least once each academic year.**