

Slippery Rock University of Pennsylvania – Curriculum Guide

Bachelor of Science in Biology – Professional Pre-Physician Assistant (SRU Traditional) for advisement purposes only

LIBERAL STUDIES REQUIREMENTS (45-46 credits) See Liberal Studies Guide for Goal and Enrichment choices				
GOAL COURSE REQUIREMENTS Complete Goal requirements as indicated below (36-37 credits)				
✓	Course	Title	Cr	Gr
Basic Requirements (9 credits)				
	ENGL 102	Critical Writing	3	
	ENGL 104 or ENGL 220	Critical Reading ★ or Intro to Literary and Cultural Studies ★	3	
	COMM 200	Civil Discourse	3	
The Arts (3 credits)				
	Goal		3	
Global Community (9 credits)				
	Goal – Non-US		3	
	Goal – Non-US		3	
	Goal – US		3	
Human Institutions/Interpersonal Relationships (3 credits)				
	Goal		3	
Science, Technology & Math (9-10 credits)				
	CHEM 107	General Chemistry I ★◇	3	
	CHEM 111	General Chemistry I Lab ★◇	1	
	MATH 225	Calculus I ★◇	4	
	PHYS 211	General Physics I / Lab ★◇	4	
Challenges of the Modern Age (3 credits)				
	Goal		3	
ENRICHMENT COURSE REQUIREMENTS Choose one course from three of the following Enrichment areas. (9 credits)				
The Arts				
Global Community				
Human Institutions/Interpersonal Relationships				
Science, Technology & Math				
	CHEM108~	General Chemistry II ★◇	3	

OTHER BASIC REQUIREMENTS				
Check with your advisor 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.				
	ACSD 110	Beginning Algebra	3	

COMPUTER COMPETENCY Students must demonstrate "computer competency" by:				
	Passed Exam	Pass Computer Competency Exam		
OR	CPSC _____	Complete one of the following courses: CPSC 100, 110, or PE 202 at SRU or another post-secondary institution	1-3	

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

★	Course may have a prerequisite. See Undergraduate Online Catalog.
◇	Course can be counted as a Liberal Studies Requirement, but earns credit only once toward your 120-credits total.
~	Course counts for 50% of Major requirements but not for Major GPA
^	Course counts for 50% of Major requirements and Major GPA
●	Core GPA
PLE	Pymatuning Laboratory of Ecology
PASSHE = Pennsylvania State System of Higher Education Institution	

Students may choose to earn a BS in Biology 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 Biology program.

MAJOR REQUIREMENTS (59-60 credits)				
<ul style="list-style-type: none"> 30 major credits must be taken at SRU or PASSHE 28 major credits must be taken at the 300 level or above 				
✓	Course	Title	Cr	Gr
Biology Core Requirements (16 credits)				
	BIOL 104^●	Principles of Biology/Lab	4	
	BIOL 201^●	General Botany/Lab ★	4	
	BIOL 212^●	General Zoology/Lab ★	4	
	BIOL 250^●	Genetics/Lab ★	4	
Required Upper-Level Biology (1 credit)				
	BIOL 492^	Seminar	1	
Upper Level Biology Electives (15 credits)				
	BIOL 325^	Biometry/Lab	3	
	BIOL 330^	Microbiology/Lab ★	3	
	BIOL 335^	Cell Biology/Lab ★	3	
	BIOL 340^	Vertebrate Anatomy/Lab ★	3	
	BIOL 370^	Molecular Biology/Lab ★	3	
	BIOL 401^	Ecology/Lab ★	3	
	BIOL 410^	Animal Physiology/Lab ★	3	
	BIOL 451^	Plant Physiology/Lab ★	3	
Additional Upper-Level Biology Electives – Courses 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 (6 credits)				
	BIOL 301^	Forest Ecology ★ PLE	3	
	BIOL 302^	Ecology of Amphibians & Reptiles/Lab ★ PLE	3	
	BIOL 303^	Behavioral Ecology/Lab ★ PLE	3	
	BIOL 305^	Wetlands and Aquatic Plants/Lab ★	3	
	BIOL 306^	Freshwater Biomonitoring/Lab ★	3	
	BIOL 307^	Vertebrate Ecology/Lab ★ PLE	3	
	BIOL 308^	Aquatic Ecosystem Mgmt/Lab ★ PLE	3	
	BIOL 310^	Plant Systematics/Lab ★	3	
	BIOL 311^	Entomology/Lab ★	3	
	BIOL 313^	Herpetology/Lab ★ PLE	3	
	BIOL 314^	Medical Parasitology/Lab ★	1	
	BIOL 315^	Medical Mycology/Lab ★	1	
	BIOL 316^	Medical Immunology/Lab ★	1	
	BIOL 319^	Medical Virology/Lab ★	1	
	BIOL 320^	Ornithology/Lab ★	3	
	BIOL 321^	Wildlife Management/Lab ★ PLE	3	
	BIOL 322^	Conservation Biology/Lab ★ PLE	3	
	BIOL 323^	Field Stream Ecology/Lab ★ PLE	3	

CONTINUED ON PAGE 2

BIOLOGY PROGRAM REQUIREMENTS

- Students desiring a Biology Major must maintain at least a 2.000 average in Biology.
- Before progressing to a 200-level course, students must achieve a 2.000 average in Principles of Biology - BIOL 104.
- Students may register in 200-level courses in any order, but must maintain a Biology average of 2.000 or better and must complete the 200 core sequence before progressing to 300 and 400-level courses in the major.
- A student must repeat any 200-level course that brings the Biology average below a 2.000.
- Students should complete all 200-level Biology requirements by the end of their sophomore year.

GPA REQUIREMENT – Biology

- Overall GPA: 2.00 or higher
- Major GPA (only includes Biology courses): 2.00 or higher

Refer to SRU's Physician Assistant Studies website for GPA admission requirements.

SLIPPERY ROCK UNIVERSITY
Physician Assistant Studies (Master of Science in Physician Assistant Studies)
Prerequisite Admission Requirements– Pre-Physician Assistant (SRU Traditional)
Liberal Studies & Rock Studies

PREREQUISITE COURSES- SRU PHYSICIAN ASSISTANT

Course Number	Course Title	Credits
BIOL 104	Principles of Biology/Lab	4
BIOL 216	Anatomy and Physiology I/Lab	3
BIOL 217	Anatomy and Physiology II/Lab	3
BIOL 250	Genetics/Lab	4
BIOL 210 or BIOL 330	Medical Microbiology/Lab or 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
**	Inferential Statistics Course <i>** Any statistics course with inferential statistics embedded See My Rock Audit for specific courses.</i>	3
PSYC 105	Introduction to Psychology	3
ERS/HCAM 250	Medical Terminology	3

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>

Revised 8-15-2019