

Slippery Rock University of Pennsylvania – Curriculum Guide

Bachelor of Science in Biology – Professional

LIBERAL STUDIES REQUIREMENTS (48-49 credits)				
See Liberal Studies Guide for Goal and Enrichment choices				
GOAL COURSE REQUIREMENTS				
Complete Goal requirements as indicated below (39-40 credits)				
✓	Course	Title	Cr	Gr
Basic Requirements- ENGL101&103 required if student entered SRU prior to Fall 2011. ENGL102 required if student entered SRU Fall 2011 forward.				
	ENGL 101 <u>and</u> ENGL 103 <u>or</u> ENGL 102	College Writing I <u>and</u> College Writing II <u>or</u> College Writing	3 3 3	
	COMM 200	Public Speaking★	3	
	ENGL 210	Interpreting Literature★	3	
The Arts				
	Goal		3	
Global Community (see Liberal Studies Guide for details)				
	Goal – Non-US		3	
	Goal – Non-US		3	
	Goal – US		3	
Human Institutions/Interpersonal Relationships				
	Goal		3	
Science, Technology & Math				
	Goal – Sci		3	
	Goal – Sci		3	
	Lab – Sci		0-1	
	Math		3	
Challenges of the Modern Age				
	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 Enrichment				
Science, Technology & Math Enrichment				

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 (for students entering Fall 2008 and after)				
Students must demonstrate "computer competency" by:				
	Passed Exam	Pass Computer Competency Exam at SRU Orientation		
OR	CPSC _____	Complete one of the following courses: CPSC 100, 110, 130 or 210 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.*

- ★ Indicates this course may have a prerequisite. Refer to catalog.
- ◇ Indicates this course may count as a Major Requirement and a Liberal Studies Requirement, **but you will only receive credit once towards your 120 credit total.**

Student's Name: _____

Advisor's Name: _____

Date: _____

MAJOR REQUIREMENTS (59 credits)				
✓	Course	Title	Cr	Gr
Basic Biology Requirements (17 credits)				
	BIOL 104	Principles of Biology	4	
	BIOL 201	General Botany★	4	
	BIOL 212	General Zoology★	4	
	BIOL 250	Genetics★	4	
	BIOL 492	Seminar	1	
Additional Biology Requirements.				
Choose three courses from the following (15 credits)				
	BIOL 310	Plant Systematics★	3	
	BIOL 325	Biometry	3	
	BIOL 330	Microbiology★	3	
	BIOL 340	Vertebrate Anatomy★	3	
	BIOL 370	Molecular Biology★	3	
	BIOL 401	Ecology★	3	
	BIOL 410	Animal Physiology★	3	
	BIOL 451	Plant Physiology★	3	
Biology Electives – Refer to My Rock Audit for complete listing of course selections and select two courses. (6 credits)				
			3	
			3	
Independent Study Option – Select from Biol490 or Non-Independent Study Option. Select one additional 300/400 level Biology/MARS courses (Refer to My Rock Audit for complete course listing) (3 credits)				
	BIOL 490 or BIOL 3**/4** or MARS***	Independent Study or BIOL 3** or BIOL 4** or MARS ***	3	
Major Field Test				
Required of all Biology students before graduation				
	FIELDTEST			
Related Sciences – Chemistry (12 credits)				
	CHEM 108	General Chemistry II★◇	3	
	CHEM 112	General Chemistry II/ Lab★	1	
	CHEM 201	Organic Chemistry I★	3	
	CHEM 202	Organic Chemistry II★	3	
	CHEM 211	Organic Chemistry I/ Lab★	1	
	CHEM 212	Organic Chemistry II/ Lab★	1	
Related Sciences – Chemistry Advanced Elective (3 credits)				
	CHEM301	Physical Chemistry I ★	3	
	CHEM335	Biochemistry I ★	3	
Related Sciences – Physics (3 credits)				
	PHYS213	General Physics III / Lab ★◇	3	
	BIOL3**		3	
	BIOL4**		3	

NATURAL SCIENCE AND MATH COLLEGE-WIDE REQUIREMENTS				
Students must take the following four courses (12 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	

RECOMMENDED ELECTIVES (0-1 credits)				



BIOLOGY – PROFESSIONAL - BS
Effective Fall 2003 – Present
Enrollment Services
Revised 2-2012

QPA REQUIREMENT
2.0 or higher Major QPA
2.0 or higher Overall QPA

ADDITIONAL BIOLOGY 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 100-level basic requirement Biology courses.
- Students may register in 200-level courses in any order, but must maintain 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.