Slippery Rock University of Pennsylvania – Curriculum Guide

Bachelor of Science in Biology

Concentration in Medical Technology

ROCK STUDIES REQUIREMENTS (35-36 credits)		
Course	***Title***	***Cr***
THE ROCK (9-10 credits)		
EXEMPT	Foundations of Academic Discovery	0
✓ ENGL 102	Critical Writing **ENGL102**	3
EXEMPT	Critical Reading	0
✓ COMM 200	Civil Discourse **COMM201**	3
✓ MATH 125 or MATH 225	Precalculus **MATH 102** / Calculus I **MATH 221**	**3 or 4**
INTEGRATED INQUIRY (14 credits)		
Creative and Aesthetic Inquiry (3 credits)		
EXEMPT		0
Humanities Inquiry (3 credits)		
✓	**Humanities Elective – choose any**	3
Social Science Inquiry (3 credits)		
✓	**Social Science Elective – choose any**	3
Natural Science Inquiry (4 credits)		
✓ CHEM 107/111	General Chemistry I / Lab **CHEM 101**	4
Physical Science Inquiry (4 credits)		
✓ PHYS 201 or PHYS 216	Elements of Physics I / Lab **PHYS 101 or** University Physics 1 / Lab **PHYS 221**	4
THEMATIC THREAD – Additional Transfer Credits (12 credits)		
✓	**ENGL 101-College Writing**	**3**
✓	**HLTH 120-Health Science**	**3**
✓	**Mathematics Elective – choose any**	**3**
✓	**MATH 107-Elementary Statistics**	**3**

COMPUTER COMPETENCY (1-3 credits)		
Students must demonstrate "computer competency" by:		
CPSC ___ ✓ **DRFT 116 or COMP 210**	Complete one of the following courses: CPSC 100, 110, 130, or PE202 at SRU or another post-secondary institution	1-3

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.		
EXEMPT	Beginning Algebra	

IMPORTANT CURRICULUM GUIDE NOTES

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

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

MAJOR/CONCENTRATION REQUIREMENTS (60 credits) • 30 major credits must be taken at SRU or PASSHE • 30 major credits must be taken at the 300 level or above		
Course	***Title***	***Cr***
Biology Core Requirements (15 credits)		
✓ BIOL 113^●	Biol. I: Ecology, Evolution, & Diversity / Lab **BIOL 121**	4
✓ BIOL 114^●	Biol. II: Molecules, Genes, & Cells / Lab **BIOL120**	4
✓ BIOL 250^●	Genetics /Lab ✶ **Biology Elective: BIOL 209**	4
BIOL 325^●	Biostatistics and Exper. Design / Lab ✶	3
Required Upper-Level Biology (17 credits)		
BIOL 209^	Anatomy and Physiology I/Lab	4
BIOL 309^	Anatomy and Physiology II/Lab	4
BIOL 316^	Immunology /Lab✶	3
BIOL 330^	Microbiology / Lab ✶	3
BIOL 335^ or BIOL 370^	Cell Biology ✶ / Molecular Biology ✶	3
Related Sciences – Chemistry (12 credits)		
✓ CHEM 108/112~	General Chemistry II / Lab✶ **CHEM 102**	4
✓ CHEM 201/211~	Organic Chemistry I / Lab✶ **CHEM 221**	4
✓ CHEM 202/212~	Organic Chemistry II / Lab✶ **CHEM 222**	4
Related Sciences – Physics (4 credits)		
✓ PHYS 202 or PHYS 217	Elements of Physics II / Lab **PHYS102 or** University Physics 2 / Lab **PHYS222**	4
Clinical Experience (12 credits in major; 16 credits in free electives) Minimum of 91 hours on campus plus 1 year (12 months) at an affiliated School of Medical Technology or one acceptable to SRU		
NSM 390~	Clinical Experience	12

FREE ELECTIVES (21-24 credits)		
NSM 390~	Clinical Experience	16
✓	**BIOL 219-Current Topics in Biology**	**1**
✓	**Biology Elective – SRU recommends BIOL 201**	**4**

BIOLOGY PROGRAM REQUIREMENTS

- 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 a "C" or better in both Genetics with Lab (BIOL 250) and Biometry with Lab (BIOL 325) prior to graduating.

BC3-SRU Biological Science, A.S. to Biology-Medical Technology, B.S.

Curriculum Category	Transfer Credits	SRU Credits
Rock Studies	**31-32 or 35-36**	**4 or 0**
Computer Competency	**1-3**	**0**
Major Requirements	**24 or 28**	**36 or 32**
Free Electives	**5**	**16-19**
TOTAL CREDITS (120 credits required to graduate)	**61-64 or 69-72**	**56-59 or 48-51**

Red courses are current associate degree requirements
Blue courses are SRU-recommended additional courses

Students should choose the following two courses for their Biology Electives at BC3: BIOL 201 and 209.

UNOFFICIAL CURRICULUM GUIDE
BIOLOGY – BS (6108)
Concentration in Medical Technology (MEDT)
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