

Slippery Rock University of Pennsylvania – Curriculum Guide

Bachelor of Science in Environmental Geosciences – Environmental Science Track

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 and ENGL 103 or ENGL 102	College Writing I and College Writing II or College Writing	3 3 3	
	COMM 200	Public Speaking★	3	
	ENGL 210	Interpreting Literature★	3	
The Arts				
	Goal		3	
Global Community				
	Goal – Non-US		3	
	Goal – Non-US		3	
	Goal - US		3	
Human Institutions/Interpersonal Relationships				
	Goal		3	
Science, Technology & Math				
	CHEM 107	General Chemistry I ★◇	3	
	CHEM 111	General Chemistry Lab★◇	1	
	MATH 225	Calculus★◇	4	
	PHYS 211	General Physics★◇	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 Enrichment				
Global Community Enrichment				
Human Institutions/Interpersonal Relationships Enrichment				
Science, Technology & Math				

COLLEGE OF HEALTH, ENVIRONMENT AND SCIENCE REQUIREMENTS (11 credits)				
	CHEM 107	General Chemistry I ★◇	3	
	CHEM 111	General Chemistry Lab★◇	1	
	MATH 225	Calculus★◇	4	
	PHYS 211	General Physics★◇	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	

OTHER BASIC REQUIREMENTS (3 credits)				
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	

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.*

★ Indicates this course may have a prerequisite. Refer to the Undergraduate Online 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.**

MAJOR REQUIREMENTS (20 credits)				
✓	Course	Title	Cr	Gr
Environmental Geoscience Core (13 credits)				
	EGEO 101	Physical Geology	3	
	EGEO 201	Earth Materials and Processes★	3	
	EGEO 202	Earth History ★	3	
	EGEO 203	Quantitative Methods ★	3	
	EGEO 212	Earth History Lab★	1	
Required Related Courses (7 credits)				
	CHEM 108	General Chemistry II★◇	3	
	CHEM 112	General Chemistry Lab II★	1	
	PHYS 212 or PHYS 213	General Physics II★◇ or General Physics III★◇	4 3	

ENVIRONMENTAL SCIENCE TRACK REQUIREMENTS (42 credits)				
Core Requirements (20 credits)				
	EGEO 121	Meteorology/Lab	3	
	EGEO 360	Introduction to Hydrology ★	3	
	EGEO 451	Geochemistry★	4	
	BIOL 357	Environmental Microbiology ★	4	
	BIOL 401	Ecology★	3	
	GES 324	Environmental Law and Policy★	3	
Environmental Science Electives – Choose minimum of 10 credits				
	BIOL 305	Wetlands and Aquatic Plants★	3	
	BIOL 306	Freshwater Biomonitoring★	3	
	CHEM 240	Industrial Hygiene★	3	
	CHEM 340	Air Quality Assessment★	4	
	CHEM 370	Water Quality Assessment★	4	
	CHEM 430	Pollution Control Engineering ★	3	
	EGEO 241	Geomorphology★◇	3	
	EGEO 327	Structural Geology★	3	
	EGEO 328	Plate Tectonics★	3	
	EGEO 340	Air Pollution Meteorology★	3	
	EGEO 453	Geotechniques: Geochemistry★	1	
	EGEO 460	Hydrogeology★	3	
	EGEO 476	Geotechniques: Geophysics★	1	
	GES 315	Cartography I★	3	
	GES 325	Intro to Geographic Info Science★	3	
	GES 410	Remote Sensing	3	
	MARS _____	Marine Science Summer Course★◇	1-3	
Required: Internship, Research or Additional Electives (3 credits)				
	ENVS 450	Environmental Science Internship ★	3-12	
	ENVS 480	Environmental Sys Analysis	3	
	BIOL 305	Wetlands and Aquatic Plants ★	3	
	BIOL 306	Freshwater Biomonitoring★	3	
	CHEM 340	Air Quality Assessment★	4	
	CHEM 370	Water Quality Assessment★	4	
	CHEM 430	Pollution Control Engineering ★	3	
	EGEO 327	Structural Geology★	3	
	EGEO 328	Plate Tectonics★	3	
	EGEO 340	Air Pollution Meteorology ★	3	
	EGEO 453	Geotechniques: Geochemistry★	1	
	EGEO 460	Hydrogeology★	3	
	EGEO 476	Geotechniques: Geophysics★	3	
	GES 315	Cartography I★	3	
	GES 325	Intro Geographic Info Systems★	3	
	GES 410	Remote Sensing	3	
	MARS3**	Marine Science Summer Course★	3	
	MARS4**	Marine Science Summer Course★	3	
Required Related Courses (6 credits)				
	BIOL 101	General Biology ◇	3	
	CHEM 200	Fund. Organic Chemistry ★	3	
Required Statistics Course (3 credits)				
	BIOL 325	Biometry	3	
	MATH 152 and MATH 252	Elementary Statistics I ★◇ and Intro to Statistical Modeling★◇	3 3	

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



ENVIRONMENTAL GEOSCIENCE
Environmental Science Track – BS
Effective Fall 2008 to present
Enrollment Services
Revised 9-2011

Student's Name: _____ Date: _____

Advisor's Name: _____