

# Department of Geography, Geology, and the Environment - Curriculum Guide

## Bachelor of Science in Environmental Geoscience – Track in Geology

LIBERAL STUDIES REQUIREMENTS (50 credits) See Liberal Studies Guide for Goal and Enrichment choices				
✓	Course	Title	Cr	Gr
<b>Basic Requirements (12 credits)</b>				
	ENGL 101	College Writing I	3	
	ENGL 103	College Writing II*	3	
	ENGL 210	Interpreting Literature	3	
	COMM 200	Public Speaking*	3	
<b>The Arts (3 credits)</b>				
			3	
<b>Global Community (9 credits)</b>				
		US Course	3	
		Non-US Course	3	
		Non-US Course	3	
<b>Human Institutions &amp; Interpersonal Relationships (3 credits)</b>				
			3	
<b>Science, Technology &amp; Mathematics (11 credits)</b>				
	CHEM 108	General Chemistry II*◇	3	
	CHEM 112	General Chemistry II Lab*◇	1	
	PHYS 213	General Physics III♣♣*◇	3	
	MATH 225	Calculus I*◇	4	
<b>Challenges of the Modern Age (3 credits)</b>				
			3	
<b>Enrichment – Select 1 course from 3 of the following (9 credits)</b>				
		The Arts	3	
		Global Community	3	
		Human Institutions & Interpersonal Relationships	3	
		Science, Technology, and Mathematics	3	

COLLEGE OF HEALTH, ENVIRONMENT AND SCIENCE REQUIREMENTS (11 credits – 4 included in LS-ST&M)				
	CHEM 107	General Chemistry I*◇	3	
	CHEM 111	General Chemistry Lab I*◇	1	
	MATH 225	Calculus I*◇	4	
	PHYS 211	General Physics I*◇	3	

\* Indicates this course may have a prerequisite. Refer to catalog.  
 ◇ Indicates this course may count as a Major and Liberal Studies Requirement. Credits only count once toward the 120 credits needed for graduation.  
 ♣♣ Student may substitute PHYS 212: Gen. Physics II\*◇ for PHYS 213: Gen. Physics III\*◇

Note: All degrees require a minimum of 48 credit hours of upper division courses (39 credits at the 300 level or higher; 9 credit hours can come from 100- or 200-level courses that require a 3-credit prerequisite) and at least half of the major (20 credits minimum) in upper division courses.

ELECTIVES (Total credits to 120 credits) (Major Electives, Other Liberal Studies Electives, Free Electives)				

MAJOR REQUIREMENTS (62 credits – 7 included in LS-ST&M)				
✓	Course	Title	Cr	Gr
<b>Core (13 credits)</b>				
	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	
<b>Required Related Courses (7 credits – 7 included in LS-ST&amp;M)</b>				
	CHEM 108	General Chemistry II*◇	3	
	CHEM 112	General Chemistry Lab II*◇	1	
	PHYS 213	General Physics III♣♣*◇	3	
<b>Track Major Program (42 Credits) See Below</b>				

GEOLOGY TRACK REQUIREMENTS (42 credits)				
✓	Course	Title	Cr	Gr
<b>Core Requirements (22 credits)</b>				
	EGEO 271	Geotechniques: Lab	2	
	EGEO 272	Geotechniques: Geological Reports*	1	
	EGEO 303	Concepts of Evolution and the Fossil Record*	3	
	EGEO 304	Paleontology Lab*	1	
	EGEO 327	Structural Geology*	3	
	EGEO 351	Mineralogy*	4	
	EGEO 352	Petrology*	4	
	EGEO 362	Sedimentation and Stratigraphy*	3	
	EGEO 482	Senior Seminar*	1	
<b>Electives (9 credits)</b>				
Select 9 credits from the group below:				
	EGEO 241	Geomorphology*	3	
	EGEO 242	Glacial Geology*	3	
	EGEO 323	Planetary Geology*	3	
	EGEO 328	Plate Tectonics	3	
	EGEO 360	Introduction to Hydrology*	3	
	EGEO 448	X-Ray Spectrometry*	3	
	EGEO 451	Geochemistry*	4	
	EGEO 453	Geochemistry Lab*	1	
	EGEO 460	Hydrogeology*	3	
	EGEO 476	Geotechniques: Geophysics*	1	
	EGEO 498	Selected Topics	1-3	
<b>Field Camp (minimum of 4 credits)</b>				
4 credits minimum at an acceptable field station				
<b>Related Courses (7 credits)</b>				
	MATH 230	Calculus II*◇	4	
	G&ES 325	Introduction to GIS*	3	
<b>or</b>	G&ES 410	Remote Sensing	3	