

# BACHELOR OF SCIENCE IN ENVIRONMENTAL GEOSCIENCES

Name \_\_\_\_\_

2009-11 Catalog

128 Semester hours minimum for graduation with a 2.00 average overall

56 hours from a four-year institution

No Title HRS CR QPTS

**General Studies**

English				
101	Composition and Rhetoric I	3		
102	Composition and Rhetoric II	3		
203	World Literature I	3		
204	World Literature II	3		
Communication Arts				
101	Fundamentals of Speech	3		
The Arts - Two Courses				
101	Introduction to Visual Arts	3		
101	Introduction to Music	3		
102	Introduction to Theatre	3		
Physical Education				
101	Personal Wellness	2		
Social Sciences				
	Four courses with at least three disciplines represented (SEE CATALOG)	3		
		3		
		3		
		3		
Science and Mathematics				
	Laboratory Science	4		See Major
	Laboratory Science	4		See Major
	Mathematics	3		See Major
	Lab Science or N SC 300C/D; or MATH 105, 201, 211	3		See Major
Foreign Language - Recommended				
	Two courses may be substituted for any two general studies courses except ENGL 101-102 and general Studies Math. Only ONE substitution per discipline. See Catalog. (Not required in teaching fields)	3		
		3		

**RESIDENCE CREDIT:**

36 hours at Concord

16 of last 32 hours at Concord

Note: In some degree programs, this would be previous to entering professional training.

9 hours in Major, Teaching Fields

Environmental Geosciences (2.00 GPA required)				
GEOL 101	Earth Processes, Resources and the Environment	4		
202	Evolution of Earth Systems	4		
205	Environmental Geology	4		
370	Earth Materials and Minerals	4		
371	Optical Mineralogy	2		
380	Sedimentary Geology	4		
385	Structural Geology	4		
404	Field Geology	6		
GEOG 311	Computer Cartography	3		
CHEM 101	General Chemistry I	3		
111	General Chemistry Lab I	1		
102	General Chemistry II	3		
112	General Chemistry Lab II	1		
MATH 103*	College Algebra	3		
104*	College Trigonometry	3		
MATH	7 hours (two or three courses) from the following: MATH 105, 201, 202, 220, 240, 250, 251**.	3 4		

NOTE:

\*MATH 103 and/or 104 may be waived for students establishing proficiency

\*\*MATH 250-251 recommended for Geology graduate school applicants.

\*\*\*Math 250 must be selected for the mathematics core requirement to satisfy this elective concentration (Physical Sciences).

**Students must select one of three elective concentrations listed on the back.**

Geography and Geographic Information Systems (16 hours)				
GEOG 411	Geographic Information Systems	3		
	13 hours from any of the following (including at least 6 hours in GEOG) GEOG 300, 312, 340, 412, 360, or any electives in GEOL beyond those used to satisfy Core Requirements.			

Ecology and Life Sciences (16 hours)				
BIOL 101	General Biology I	4		
102	General Biology II	4		
201	Ecology and Field Methods	4		
	4 hours electives from any other courses in Biology (BIOL 270 Recommended)	4		

Physical Sciences (16 hours)***				
PHYS 101 or 102	Introduction to Physics or University Physics I	4		
102 or 202	Intermediate Physics University Physics II	4		
	8 hours electives from CHEM, GEOL, PHYS beyond those used to satisfy Core Requirements.	4		
		4		