

BACHELOR OF SCIENCE IN ENVIRONMENTAL GEOSCIENCES

Name _____

2005-2007 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 300; 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 and Geophysics	4		
404	Field Geology	6		
GEOG 311	Computer Cartography	3		
CHEM 101	Introductory Chemistry I	3		
102	Introductory Chemistry II	3		
107	Introductory Chemistry Lab	2		
MATH 103	College Algebra*	3		
104	College Trigonometry*	3		
	7 hours or more from the following: MATH 105, 201, 202, 220, 240, 250**, 251**.			

NOTE:

* These courses will be waived for students establishing "equivalency proficiency" as determined by the Department of Mathematics.

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

***Math 250 must be selected for the mathematics core requirement to satisfy this elective concentration.

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

REVISED 8-29-05

Geography and Geographic Information Systems				
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, 460 (Meteorology and Climatology), or any electives in GEOL beyond those used to satisfy Core Requirements.			

Ecology and Life Sciences				
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			

Physical Sciences ***				
PHYS 101	Introduction to Physics	4		
102	Intermediate Physics	4		
	8 hours electives from CHEM, GEOL, PHYS beyond those used to satisfy Core Requirements.	4		
		4		
MATH 250	Calculus 1***	4		