

**Concord University**  
**BACHELOR OF SCIENCE – Environmental Geosciences**  
 Registrar's Office Official Document

**Name:** \_\_\_\_\_  
 120 hours minimum for graduation with a 2.00 average overall  
 56 hours from a four-year institution

2025-2026 Catalog

Course	Title	CR	GR	QP
Written and Oral Communications (9 credit hours) Select one course from BGEN 205 or COMM 101				
ENGL 101	Composition & Rhetoric I	3		
ENGL 102	Composition & Rhetoric II	3		
COMM 101 Or BGEN 205	Fundamentals of Speech Or Fundamentals of Business Communication	3		
Literature and Humanities (6 credit hours) Select one (1) course from Literature and one (1) course from History and Philosophy. *May be repeated for 3 credit hours.				
	<b>ENGL</b> 203 or 204	3		
	<b>HIST</b> 101, 102, 203, 204, <b>PHIL</b> 101, 308, 316, or 361	3		
Fine Arts– (3 credit hours) Select one (1) course from the following:				
	<b>ART</b> 101, 103, 105, 106, 204, 205, 216, 303, 304, 308, <b>MUS</b> 101, *451, *453A, or <b>THEA</b> 102	3		
Social and Behavioral Sciences (9 credit hours) Select one (1) course from three different categories.				
GEO 100	<b>Category 1 - Business and Professional Studies</b> BGEN 105, ECON 203, ECON 204, FIN 200, HSP 100 or SOWK 161	3	See Major	
	<b>Category 2 - Geography</b> GEO 100 or 221	3		
	<b>Category 3 - Political Science</b> POSC 101, 104, or 202	3		
	<b>Category 4 - Psychology</b> PSY 101 or 200			
	<b>Category 5 – Sociology</b> SOC 101, 201, or 301			
Natural Sciences (7-8 credit hours) Select one (1) course from two different categories.				
CHEM 100/111	<b>Category 1-Biological Science</b> BIOL 101, 102, 121, or 122	4	See Major	
GEO 101 or GEO 140 or PHSC 104	<b>Category 2-Earth &amp; Space Science</b> GEO 101, GEO 140 or 150, GEO 200, PHSC 104, or PHYS 105	3-4	See Major	
	<b>Category 3-Physical Science</b> CHEM 100, CHEM 101/111, PHSC 103, PHYS 101, or PHYS 201			
Mathematics (3 credit hours) Select one (1) Mathematics course numbered 100 or higher.				
MATH ---		3	See Major	
Physical Wellness (2 credit hours) Select one or more courses listed below for a total of at least two hours.				
	<b>HS</b> 120, 304, <b>P ED</b> 101M, 117 or 118	2-3		
Modern/Classical Language – (Optional 6 credit hours) Select two courses within the same Modern/Classical Language for substitution purposes.				
	May not substitute Modern Language for ENGL 101, ENGL 102, the 3-hour Mathematics requirement or the 4-hour lab science requirement.			

Environmental Geosciences (Minimum 2.00 GPA required)				
A. Earth & Environmental Sciences Core (37-38 credit hours)				
Introductory Coursework (6-7 credit hours)				
GEO 100	Humans and the Environment	3		
Select one of the following:				
	<ul style="list-style-type: none"> <li>GEO 101 Earth Processes, Resources and the Environment (4) (<b>Recommended</b>)</li> <li>GEO 140 Geology and Environmental Issues in Appalachia (3)</li> <li>PHSC 104 Concepts in Physical Science: Earth/Space Sciences (4)</li> </ul>	3-4		
Foundational Coursework (19 credit hours)*				
GEO 302	Earth History & Stratigraphy	4		
GEO 305	Environmental Geology & Hydrology	4		
GEO 365	Earth Materials & Mineral Resources	4		
GEO 385	Earth Structure & Tectonics	4		
GEO 404	Field Methods (3)	3		
*Students completing: (a) GEO 101, or GEO 140, or PHSC 104; (b) GEO 305; and (c) 4-5 additional hours of coursework required for the major with a 2.50 GPA will earn the <b>Certificate in Environmental and Applied Geology</b> .				
Geographic Information Systems (GIS) User Certificate (9 credit hours) 3.00 GPA Required				
GEO 200	Digital Earth	3		
GEO 311	Geographic Information Systems	3		
GEO 411	Remote Sensing Applications	3		
Capstone Internship, Research, or Field Experience (3 credit hours)**				
GEO 405 or GEO 450 or GEO 470	Field Geology or Internship or Research	3		
**Or an external geology field camp or similar field or research-intensive course approved by program faculty.				
B. Supporting Courses (20-22 credit hours)				
Mathematics (7-9 credit hours):***				
MATH 103/C and MATH 104 or MATH 107 or MATH 253	College Algebra and College Trigonometry or Precalculus or Calculus with Analytic Geometry I	4-6		
MATH 105/C	Elementary Statistics	3		
Science (13 hours):				
CHEM 101	Principles of Chemistry I	3		
CHEM 111	Principles of Chemistry I Lab	1		
PHYS 101 or PHYS 201	Introductory Physics or University Physics with Calculus	4		

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PHSC 219	Laboratory Research Methods & Ethics	1		
Select one of the following:				
	<ul style="list-style-type: none"><li>● BIOL 121 Foundations of Biology I (4)</li><li>● CHEM 102 Principles of Chemistry II (3) and CHEM 112 Principles of Chemistry II Lab (1)</li><li>● PHYS 102 Intermediate Physics (4)</li><li>● PHYS 202 University Physics with Calculus, Part II (4)</li></ul>	4		

\*\*\*MATH 103 and/or 104 and/or 107 may be waived for those students establishing "equivalent proficiency" as outlined by the Department of Mathematics and Computer Science.

**RESIDENCE CREDIT:**

36 hours at Concord

16 of last 32 hours at Concord

Note: In some degree programs, this is prior to entering professional training.

9 hours in Major, Teaching Fields

**TOTAL MINIMUM REQUIRED CREDITS: 120**

**PROGRAM REQUIREMENTS: 57-60**

**GENERAL EDUCATION CREDITS: 26-27**

**ELECTIVE CREDITS: 33-37**