

GEOSCIENCES - ENVIRONMENTAL OPTION, BACHELOR OF SCIENCE

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Curriculum

Course	Title	Hours	Completed
Freshman			
Fall			
BIOL/ENVS/PHSC 1004	Principles of Environmental Science	4	_____
ENGL 1013	Composition I ¹	3	_____
GEOL 1014	Physical Geology	4	_____
MATH 1113	College Algebra	3	_____
PHSC 1001	Orientation to Physical Science	1	_____
	Hours	15	
Spring			
CHEM 2124 & CHEM 2120	General Chemistry I and General Chemistry I Lab	4	_____
COMS 1003	Introduction to Computer Based Systems	3	_____
ENGL 1023	Composition II ¹	3	_____
GEOL 2024	Historical Geology	4	_____
PHSC 1011	Orientation to Physical Science II	1	_____
	Hours	15	
Sophomore			
Fall			
ENGL 2053	Technical Writing	3	_____
CHEM 2134 & CHEM 2130	General Chemistry II and General Chemistry II Lab	4	_____
GEOL 3014	Mineralogy	4	_____
SFHS 1XXX	Social Sciences/Fine Arts/ Humanities/Communication Courses ¹	3	_____
USHG 1XXX	U.S. History and Government ¹	3	_____
	Hours	17	
Spring			
BIOL 1014	Introduction to Biological Science	4	_____
BIOL/CHEM/ENVS/GEOL 2111	Environmental Seminar	1	_____
COMS 2003	Microcomputer Applications	3	_____
GEOL 3164	Petrology	4	_____
SS 1XXX	Social Science Courses ¹	3	_____
	Hours	15	
Junior			
Fall			
ENVS/BIOL 3043	Conservation	3	_____
GEOL 3023	Geologic Field Techniques	3	_____
GEOL 3044 or GEOL 3153	Geomorphology or Environmental Geology	4	_____

PHYS 2014 & PHYS 2000	Algebra-Based Physics I and Physics Laboratory I	4	_____
Hours		14	
Spring			
BIOL/CHEM/ENVS/GEOL 3111	Environmental Seminar	1	_____
FAH 1XXX	Fine Arts and Humanities Courses ¹	6	_____
GEOL 3004	Structural Geology	4	_____
PHYS 2024 & PHYS 2010	Algebra-Based Physics II and Physics Laboratory II	4	_____
Hours		15	
Senior			
Fall			
FW/GEOG 2833	Introduction to Geographic Information Systems	3	_____
GEOL 3083	Hydrogeology	3	_____
GEOL 3153 or GEOL 3044	Environmental Geology or Geomorphology	3	_____
SS 1XXX	Social Science Courses ¹	3	_____
Elective (3000-4000 level) ²		3	_____
Hours		15	
Spring			
GEOL 3174	Computer Applications in Geology	4	_____
GEOL 4043	Geochemistry	3	_____
BIOL/CHEM/ENVS/GEOL 4111	Environmental Seminar	1	_____
Science Elective ²		6	_____
Hours		14	
Total Hours		120	

¹ See appropriate alternatives or substitutions in "General Education Requirements (<https://catalog.atu.edu/undergraduate/general-education-requirements/>)". A specific general education core course does not have to be taken in the semester listed, any other part of the general education core at any time is acceptable as well.

² Electives in Physical or Life Sciences and Mathematics (Geology, Biology, Chemistry, and Math).