

GEOSCIENCES, BACHELOR OF SCIENCE

Dr. Michael Davis, Department Head

McEver Hall, Room 34-D

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Curriculum

Course	Title	Hours	Completed
Freshman			
Fall			
ENGL 1013	Composition I ¹	3	_____
ENVS 1004	Principles of Environmental Science ¹	4	_____
GEOL 1014 or GEOL 1004	Physical Geology ¹ or Essentials of Earth Science	4	_____
MATH 1113	College Algebra	3	_____
STEM 1001 or PHSC/TECH 1001	Orientation to the College of Science, Technology, Engineering, and Mathematics ¹ or Orientation to Physical Science	1	_____
Hours		15	
Spring			
ENGL 1023	Composition II	3	_____
GEOL 2024	Historical Geology	4	_____
MATH 1203 or MATH 2914	Plane Trigonometry ² or Calculus I	3-4	_____
SFAH 1XXX	Social Sciences/Fine Arts/ Humanities Courses ¹	3	_____
Hours		13-14	
Sophomore			
Fall			
CHEM 2124 & CHEM 2120	General Chemistry I and General Chemistry I Lab	4	_____
GEOG/FW 2833	Introduction to Geographic Information Systems	3	_____
GEOL 3014	Mineralogy	4	_____
STAT 2163 or MATH 2914	Introduction to Statistical Methods ² or Calculus I	3-4	_____
Hours		14-15	
Spring			
CHEM 2134 & CHEM 2130	General Chemistry II and General Chemistry II Lab	4	_____
ENGL 2053	Technical Writing ¹	3	_____
GEOL 3004	Structural Geology	4	_____
GEOL 3164	Petrology	4	_____
Hours		15	
Junior			
Fall			
GEOL 3001	Seminar	1	_____
GEOL 3023	Geologic Field Techniques	3	_____
GEOL 3044	Geomorphology	4	_____

PHYS 2014 & PHYS 2000 or PHYS 2114/2000	Algebra-Based Physics I or Calculus-Based Physics I	4	_____
USHG 1XXX	U.S. History and Government ¹	3	_____
Hours		15	
Spring			
PHYS 2024 & PHYS 2010 or PHYS 2124/2010	Algebra-Based Physics II or Calculus-Based Physics II	4	_____
SFHS 1XXX	Social Sciences/Fine Arts/ Humanities/Communication Courses ¹	3	_____
SFAH 1XXX	Social Sciences/Fine Arts/ Humanities Courses ¹	3	_____
Elective		5	
Hours		15	
Senior			
Fall			
GEOL 3083	Hydrogeology	3	_____
GEOL 4001	Seminar	1	_____
GEOL 4023	Principles of Stratigraphy and Sedimentation	3	_____
SFAH 1XXX	Social Sciences/Fine Arts/ Humanities Courses ¹	3	_____
Elective		4-5	
Hours		14-15	
Spring			
SFAH 1XXX	Social Sciences/Fine Arts/ Humanities Courses ¹	3	_____
Elective		7-10	
Hours		10-13	
Summer			
GEOL 4006	Field Geology ³	6	_____
Hours		6	
Total Hours		117-123	

¹ See appropriate choices, 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 MATH 1203 Plane Trigonometry, MATH 2914 Calculus I, or STAT 2163 Introduction to Statistical Methods.

³ GEOL 4006 Field Geology (6 credit hours of field geology) must be completed during the summer after the Junior or Senior year.