

**2023-2024 Degree Map-Bachelor of Science in Geology: Environmental Option**

This map is a term-by-term sample course schedule. The milestones listed to the right of each term are designed to keep you on course to graduate in four years. The Sample Schedule serves as a general guideline to help you build a full schedule each term. See course descriptions and prerequisites at <http://www.atu.edu/catalog/>

**Possible careers include: Natural Sciences Manager, Water Resource Specialist, Geoscientist, Hydrologist, Atmospheric/Earth/Marine/Space Sciences Teacher, Geological Data Technician, Geologist, Seismologist, Environmental Scientist**

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 1110 \_\_\_\_\_

Sample Schedule	Milestones/Notes		
Semester 1	Hrs.	Grade	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#	
PHSC 1001- Orientation to Physical Science	1		
MATH 1113- College Algebra (ACTS=MATH 1103)	3	#	Milestone
PHSC 1004- Principles of Environmental Science	4		
GEOL 1014- Physical Geology (ACTS= GEOL 1114)	4		Milestone
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Prereq. for GEOL 3014
GEOL 2024- Historical Geology (ACTS= GEOL 1134)	4		Spring Only
COMS 1003- Intro. to Computer Based Systems (ACTS= CPSI1003)	3		
PHSC 1011- Orientation to Physical Science II	1		Substitutions not allowed.
Total hours	15	GPA	

Semester 3	Hrs.	Grade	Semester 3
ENGL 2053- Technical Writing (ACTS=ENGL 2023)	3		
Social Sci/Fine Arts/Humanities/Comm	3		
U.S. History & Government	3		
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4		Requires prereq of CHEM 2124
GEOL 3014- Mineralogy	4		Requires prereq of CHEM 2124
Total hours	17	GPA	

Semester 4	Hrs.	Grade	Semester 4
BIOL 1014- Intro. to Biological Science (ACTS= BIOL 1004)	4		
Fine Arts & Humanities	3		
COMS 2003- Microcomputer Applications	3		Prereq: COMS 1003
GEOL/BIO/CHEM/ENVS 2111- Environmental Seminar	1		
GEOL 3164- Petrology	4		
Total hours	15	GPA	<b>GEOL ADVISOR ASSIGNED</b>

The Arkansas Course Transfer System (ACTS) is designed to assist in planning the academic progress of students. This system contains information about the transferability of courses within Arkansas public colleges and universities. The Arkansas Course Transfer System can be accessed by searching keyword "ACTS" at <https://adhe.edu/>

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 U.S. History to 1877 (ACTS=HIST1123)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
ENGL/JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	
1013 from SPAN, FR, GER, JPN, CHIN, or LAT	
1023 from SPAN, FR, GER, JPN, CHIN, or LAT	

University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.

Sample Schedule	Milestones/Notes		
Semester 5	Hrs.	Grade	Semester 5
BIOL 3043- Conservation or *Sci/Math Elective (3000-4000 level)	3		Must complete Biol3043 and Elective
PHYS 2014/2000- Algebra-Based Physics I (ACTS= PHYS2014)	4		
GEOL 3023- Geologic Field Techniques	3		
GEOL 3044- Geomorphology or GEOL 3153- Env. Geology	3-4		
Total hours	13-14	GPA	

Semester 6	Hrs.	Grade	Semester 6
GEOL 3004- Structural Geology	4		
Fine Arts & Humanities	3		
PHYS 2024/2010- Algebra-Based Physics II (ACTS= PHYS2024)	4		
Social Science	3		
GEOL/BIO/CHEM/ENVS 3111- Environmental Seminar	1		
Total hours	15	GPA	<b>APPLY FOR GRADUATION</b>

Semester 7	Hrs.	Grade	Semester 7
Social Science	3		
BIOL 3043- Conservation or *Sci/Math Elective (3000-4000 level)	3		Must complete Biol3043 and Elective
GEOG 2833- Intro. to Geographic Information Systems	3		
GEOL 3044- Geomorphology or GEOL 3153- Env. Geology	3-4		
GEOL 3083- Hydrogeology	3		
Total hours	15-16	GPA	

Semester 8	Hrs.	Grade	Semester 8
GEOL 3174- Computer Applications in Geology	4		
GEOL/BIO/CHEM/ENVS 4111- Environmental Seminar	1		
Science/Math Elective*	3		<b>Graduation Requirements:</b> Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required:120
Science/Math Elective*	3		
GEOL 4043- Geochemistry	3		
Total Hours	14	GPA	2.00+ GPA

General Electives: 0 hours

\*Science/Math Electives: Physical or Life Sciences & Mathematics (Geology, Biology, Chemistry & Math)

# indicates a "C" or better is required

Social Sciences
HIST 1503 World History to 1500 (ACTS=HIST1113)
HIST 1513 World History since 1500 (ACTS=HIST1123)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
HIST 1903 Survey of American History
POLS 2003 American Government (ACTS=PLSC2003)
ECON 2003 Principles of Macroeconomics (ACTS=ECON2103)
ECON 2013 Principles of Microeconomics (ACTS=ECON2203)
SOC 1003 Introductory Sociology (ACTS=SOCI1013)
PSY 2003 General Psychology (ACTS=PSYC1103)
ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
AMST 2003 American Studies
FIN 2013 Personal Finance
LEAD 1003 Introduction to Leadership