

2024-2025 Degree Map-Bachelor of Science in Geoscience, Emerging Resources 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 <https://catalog.atu.edu/>

#Prerequisite Courses: ENGL 0303 ___ MATH 0803 ___ MATH 1003 ___ MATH 0903 ___ MATH 1110 ___

Possible Careers: Resource Management and Geoscience Research. Preparation for Graduate Studies in Geoscience, minimum Master's Degree preferred in many areas

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	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	#		
BIOL 1014- Intro. to Biological Science (ACTS= BIOL 1004)	4			
GEOL 1014- Physical Geology (ACTS= GEOL 1114)	4			
Total hours	15	GPA		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Prereq for GEOL 3014	
MATH 1203- Plane Trig. (ACTS=MATH1203)	3	#		
GEOL 2024- Historical Geology (ACTS= GEOL 1134)	4		Spring Only	
PHSC 1011- Orientation to Physical Science II	1		No Substitutions	
Total hours	15	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
U.S. History & Government	3			
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4			
GEOL 2001- Seminar	1			
GEOL 3014- Mineralogy	4		Requires prereq: CHEM 2124	
GEOL 3044- Geomorphology	4			
Total hours	16	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
GEOG/FW 2833- Intro. to Geographic Information Systems	3			
Social Sci/Fine Arts/Humanities/Comm	3			
GEOL 3164- Petrology	4			
MATH 2914- Calculus I (ACTS= MATH 2405)	4			
Total hours	14	GPA	GEOL ADVISOR ASSIGNED	

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 Survey of Music History (ACTS=MUSC1003)	HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
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	
LEAD 2003 Ethics in Leadership	

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

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
Social Sci/Fine Arts/Humanities	3			
Social Sci/Fine Arts/Humanities	3			
PHYS 2014/2000- Algebra-Based Physics I (ACTS= PHYS2014)	4			
GEOL 3001- Seminar	1			
GEOL 3023- Geologic Field Techniques	3			
Total hours	14	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
PHYS 2024/2010- Algebra-Based Physics II (ACTS= PHYS2024)	4			
GEOL 3004- Structural Geology	4			
GEOL 3124- Invtbrte Paleo. or GEOL 4023- Strat. & Sediment	3-4			
GEOL 3174- Comp.Apps-Geol or GEOL 4034- Subsurf. Geol	4			
Total hours	15-16	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Social Sci/Fine Arts/Humanities	3			
Social Sci/Fine Arts/Humanities	3			
GEOL 4001- Seminar	1			
GEOL 3153- Environmental Geology	3			
General Elective	4			
Total hours	14	GPA		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
GEOL 3124- Invtbrte Paleo. or GEOL 4023- Strat. & Sediment	3-4			
GEOL 3174- Comp.Apps-Geol or GEOL 4034- Subsurf. Geol	4			
GEOL 4043- Geochemistry	3			
Total Hours	10-11		Graduation Requirements:	
			Min. hours 3000-4000 level courses: 40	
			No more than 4 PE activity hours	
			Min. hours required:120	
			2.00+ GPA	

General Electives: 4 hours (1000-4000 level)

*Must be completed during the summer after Junior or Senior year

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
Communication Courses
COMM 1003 Intro to Speech Comm
COMM 2003 Public Speaking
COMM 2173 Business and Professional Speaking