

2024-2025 Degree Map-Bachelor of Science in Geosciences, Professional 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 ___

Sample Schedule

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

Semester 2	Hrs.	Grade	Milestones/Notes
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Required prereq for GEOL3014
PHSC 1011- Orientation to Physical Science II	1		No Substitutions
MATH 1203- Plane Trigonometry (ACTS=MATH 1203)	3		
GEOL 2024- Historical Geology (ACTS= GEOL 1134)	4		Spring Only
Total hours	15	GPA	

Semester 3	Hrs.	Grade	Milestones/Notes
U.S. History & Government	3		
CHEM 2134/2130--General Chemistry II (ACTS= CHEM 1424)	4		Requires prereq: CHEM 2124
GEOL 2001- Seminar	1		
GEOL 3014- Mineralogy	4		Requires prereq: CHEM 2124
GEOG/FW 2833- Intro. to Geographic Information Systems	3		
Total hours	15	GPA	

Semester 4	Hrs.	Grade	Milestones/Notes
Social Sci/Fine Arts/Humanities	3		
GEOL 3004- Structural Geology	4		
GEOL 3124- Invertebrate Paleo or General Elective (3000-4000 level) See Note 1	4		Note 1: GEOL3124 and 4023 are offered only in spring of alternating yrs. If not offered, consult with advisor to choose a General Elective.
GEOL 3164- Petrology	4		
Total hours	15	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.

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

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes
PHYS 2014/2000- Algebra-Based Physics I (ACTS= PHYS2014)	4		See Catalog
GEOL 3001- Seminar	1		
GEOL 3023- Geologic Field Techniques	3		
*MATH/COMS Elective	3-4		
GEOL 3044- Geomorphology or General Elective (3000-4000 level) See Note 2	4		Note 2: GEOL3044 is only offered in fall of alternating yrs. If not offered, consult with advisor to choose a General Elective.
Total hours	15-16	GPA	

Semester 6	Hrs.	Grade	Milestones/Notes
PHYS 2024/2010- Algebra-Based Physics II (ACTS= PHYS2024)	4		
GEOL 3124- Invertebrate Paleo. or GENL(3000-4000)	4		See Note 1 in Semester 4
GEOL 3174- Computer Applications in Geology or GENL(3000-4000)	4		
Social Sci/Fine Arts/Humanities	3		
Total hours	15	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Milestones/Notes
Social Sci/Fine Arts/Humanities	3		
GEOL 4001- Seminar	1		
GEOL 4023- Stratgrphy & Sedimentation	4		See Note 1 in Semester 4
GEOL 3153- Environmental Geology	3		
General Electives	3-4		
Total hours	13-14	GPA	

Semester 8	Hrs.	Grade	Milestones/Notes
Social Sci/Fine Arts/Humanities/Comm	3		
GEOL 3174- Computer Applications in Geology or GENL(3000-4000)	4		
Social Sci/Fine Arts/Humanities	3		Graduation Requirements: Min. hours 3000-4000 level courses: 40
Total Hours	10	GPA	
Semester 9	Hrs.		No more than 4 PE activity hours
**GEOL 4006- Field Geology	6		Min. hours required:120
Total Hours	6	GPA	2.00+ GPA

General Electives: (12 hours 3000-4000 level)

indicates a "C" or better is required

*Choose from: COMS 1003, COMS 1013/1011, MATH 2914, or STAT 2163

**Field Geology must be completed during the summer after Junior or Senior year

Social Sciences	Communication Courses
HIST 1503 World History to 1500 (ACTS=HIST1113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 1513 World History since 1500 (ACTS=HIST1123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	AMST 2003 American Studies
HIST 1903 Survey of American History	FIN 2013 Personal Finance
POLS 2003 American Government (ACTS=PLSC2003)	LEAD 1003 Introduction to Leadership
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)	