

2025-2026 Degree Map-Bachelor of Science in Geosciences

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 Semester 1
ENGL 1013- Comp I	3	#	
STEM 1001- Orientation to STEM	1		
MATH 1113- College Algebra	3	#	
GEOL 1014- Physical Geology	4		(GEOL 1004 may sub)
ENVS 1004- Principles of Environmental Science	4		
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Milestones/Notes Semester 2
ENGL 1023- Comp II	3	#	
MATH 1203- Plane Trigonometry or MATH 2914- Calculus I	3-4		MATH 1203 and STAT 2163 OR MATH 2914
GEOL 2024- Historical Geology	4		Spring only
Social Sci/Fine Arts/Humanities	3		
			Freshman Milestone: Visit the Tutoring Center at least once
Total hours	13-14	GPA	

Semester 3	Hrs.	Grade	Milestones/Notes Semester 3
GEOL 3014- Mineralogy	4		Fall only
STAT 2163- Intro to Stat Methods or MATH 2914- Calculus I	3-0		if MATH 2914, add 2 hours Approved Electives
GEOG/FW 2833- Intro. to Geographic Information Systems	3		
CHEM 2124/2120- General Chemistry I	4		
			Sophomore Milestone: Meet with faculty about career paths in your field
Total hours	11-14		

Semester 4	Hrs.	Grade	Milestones/Notes Semester 4
GEOL 3164- Petrology	4		Spring only
GEOL 3004- Structural Geology	4		Spring only
ENGL 2053- Technical Writing	3		
CHEM 2134/2130- General Chemistry II and lab	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 ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Survey of Music History (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL/JOUR 2173 Introduction to Film 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	U.S. History & Government HIST 1903 Survey of American History HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003) University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.
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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 Semester 5
GEOL 3001- Seminar	1		
GEOL 3023- Geologic Field Techniques	3		Fall only
GEOL 3044- Geomorphology	4		Fall only
PHYS 2014/2000- Algebra-Based Physics I	4		Fall only
U.S. History & Government	3		
Total hours	15	GPA	

Semester 6	Hrs.	Grade	Milestones/Notes Semester 6
Social Sci/Fine Arts/Humanities/Comm	3		Junior Milestone: Attend a career fair or networking event
Social Sci/Fine Arts/Humanities	3		
PHYS 2024/2010- Algebra-Based Physics II	4		Spring only
Approved Electives (1000-4000 level)	3		
Approved Electives (3000-4000 level)	2		
Total hours	15	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Milestones/Notes Semester 7
GEOL 4001- Seminar	1		
GEOL 3083- Hydrogeology	3		Fall of odd years
GEOL 4023- Stratgrphy & Sedimentation	3		Fall only
Social Sci/Fine Arts/Humanities	3		
Approved Electives (3000-4000 level)	5		Senior Milestone: Complete a senior check-in with Career Services
Total hours	15	GPA	

Semester 8	Hrs.	Grade	Milestones/Notes Semester 8
Social Sci/Fine Arts/Humanities	3		Graduation Requirements: Min. hours 3000-4000 level courses: 40
Approved Electives (1000-4000 level)	5		
Approved Electives (1000-4000 level)	4		No more than 4 PE activity hours
Total Hours	12	GPA	
Semester 9	Hrs.	Grade	Milestones/Notes Semester 9
*GEOL 4006- Field Geology	6		Min. hours required:120 2.00+ GPA
Total Hours	6	GPA	

Approved Electives: 14 hours 1000-4000 level, 7 hours 3000-4000 level

indicates a "C" or better is required

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

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
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