

2026-2027 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 ___

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 1	Hrs.	Grade	Milestones/Notes	
ENGL 1013- Comp I	3	#	Semester 1	
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		

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes	
GEOL 3001- Seminar	1		Semester 5	
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 2	Hrs.	Grade	Milestones/Notes	
ENGL 1023- Comp II	3	#	Semester 2	
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			
Total hours	13-14	GPA		Freshman Milestone: Visit the Tutoring Center at least once

Semester 6	Hrs.	Grade	Milestones/Notes	
Social Sci/Fine Arts/Humanities/Comm	3		Semester 6	
Social Sci/Fine Arts/Humanities	3			Junior Milestone: Attend a career fair or networking event
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 3	Hrs.	Grade	Milestones/Notes	
GEOL 3014- Mineralogy	4		Semester 3	
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			
Total hours	11-14			Sophomore Milestone: Meet with faculty about career paths in your field

Semester 7	Hrs.	Grade	Milestones/Notes	
GEOL 4001- Seminar	1		Semester 7	
GEOL 3083- Hydrogeology	3			Fall of odd years
GEOL 4023- Stratigraphy & 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 4	Hrs.	Grade	Milestones/Notes	
GEOL 3164- Petrology	4		Semester 4	
GEOL 3004- Structural Geology	4			Spring only
ENGL 2053- Technical Writing	3			Spring only
CHEM 2134/2130- General Chemistry II and lab	4			
Total hours	15	GPA		GEOL ADVISOR ASSIGNED

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

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/>

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

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	

Social Sciences	Communication Courses
HIST 1503 World History to 1500 (ACTS=HIST1113)	COMM 1003 Intro to Speech Comm
HIST 1513 World History since 1500 (ACTS=HIST1123)	COMM 2003 Public Speaking
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	COMM 2173 Business and Professional Speaking
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)	

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