

Bachelor of Science in Geology-Professional Option - 9-Semester Program

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/academics/catalog/>.

Employment Information: Water Resource Specialist, Geoscientist, Hydrologist, Science Teacher, Geologist, Seismologist, Petroleum Scientist, Environmental Scientist

#Remedial Courses (if applicable): ENGL 0303 _____ ENGL 0404 _____ READ 0103 _____ MATH 0903 _____

Semester 1 Course Information		Hrs.	Grade	Notes	Semester 5 Course Information		Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)		3	#		PHYS 2014/2000 - Physical Principles I and Lab (ACTS = PHYS 2014)		4		
Biological Science		4			GEOL 3001 - Seminar		1		
PHSC 1001 - Orientation to Physical Science		1			GEOL 3023 - Geological Field Techniques		3		
MATH 1113 - College Algebra (ACTS = MATH 1103)		3	#	Milestone	COMS 1003, MATH 2163, or MATH 2914		3-4		
GEOL 1014 - Physical Geology (ACTS = GEOL 1114)		4		Milestone	GEOL 3044 - Geomorphology or General Elective (3000-4000)		4		See NOTE 2 below.
Total hours		15	GPA		Total hours		15-16	GPA	
Semester 2 Course Information		Hrs.		Notes	Semester 6 Course Information		Hrs.		Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)		3	#		PHYS 2024/2010 - Physical Principles II and Lab (ACTS = PHYS 2024)		4		
CHEM 2124/2120 - Gen. Chem. I and Lab (ACTS = CHEM 1414)		4			GEOL 3124 - Invertebrate Paleo. or General Elective (3000-4000)		4		See NOTE 1 below.
PHSC 1011 - Orientation to Physical Science II (MANDATORY)		1		Substitutions not allowed.	GEOL 4023 - Stratigraphy & Sedimentation or General Elective (3000-4000)		3-4		See NOTE 1 below.
MATH 1203 - Plane Trigonometry (ACTS = MATH 1203)		3			Social Sciences/Fine Arts/Humanities/Speech		3		
GEOL 2024 - Historical Geology (ACTS = GEOL 1134)		4			Total hours		14-15	GPA	APPLY FOR GRADUATION
Total hours		15	GPA		Total hours		11	GPA	
Semester 3 Course Information		Hrs.		Notes	Semester 7 Course Information		Hrs.		Notes
U.S. History & Government		3			Social Sci/Fine Arts/Humanities		3		
CHEM 2134/2130 - Gen. Chem. II and Lab (ACTS = CHEM 1424)		4		Milestone	GEOL 4001 - Seminar		1		
GEOL 2001 - Seminar		1			GEOL 3044 - Geomorphology or General Elective (3000-4000)		4		See NOTE 2 below.
GEOL 3014 - Mineralogy		4			GEOL 3153 - Environmental Geology		3		
GEOG 2833 - Intro. to Geographic Information Systems		3			Total hours		11	GPA	
Total hours		15	GPA		Total hours		11	GPA	
Semester 4 Course Information		Hrs.		Notes	Semester 8 Course Information		Hrs.		Notes
Social Sciences/Fine Arts/Humanities/Speech		3			Social Sciences/Fine Arts/Humanities/Speech		3		
Social Sciences/Fine Arts/Humanities/Speech		3			GEOL 4023 - Stratigraphy & Sediment or General Elective (3000-4000)		3		See NOTE 1 below.
GEOL 3004 - Structural Geology		4			GEOL 3174 - Computer Applications in Geology		4		
GEOL 3124 - Invertebrate Paleo. or General Elective (3000-4000)		4		See NOTE 1 below.	Total Hours		10	GPA	
GEOL 3164 - Petrology		4			Semester 9 Course Information		Hrs.		Notes
Total hours		18	GPA	GEOL ADVISOR ASSIGNED	GEOL 4006 - Field Geology		6		See NOTE 3 below.
# indicates a "C" or better is required					Total Hours		6	GPA	

indicates a "C" or better is required
NOTE 1: GEOL 3124 and 4023 are offered in alternating years in the spring semester only. If not offered, consult with advisor to choose a General Elective.

NOTE 2: GEOL 3044 is only offered in fall of alternating yrs. If not offered, consult with advisor to choose a General Elective.

NOTE 3: Field Geology must be completed during the summer after Junior or Senior year.

Graduation Requirements: Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE.

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 at <http://acts.adhe.edu>

Fine Arts and Humanities	U.S. History & Government	Social Sciences	
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History	HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Princ of Economics II (ACTS = ECON 2203)
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877	HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 1213 - Intro to Anthropology (ACTS = ANTH 1013)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)	HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
ENGL 2003 - Intro to World Literature (ACTS = ENGL2113)	Science with Lab	HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)	HIST 1903 - Survey of American History	AMST 2003 - American Studies
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science	POLS 2003 - American Government (ACTS = PLSC 2003)	Speech Courses
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	ECON 2003 - Princ of Economics I (ACTS = ECON 2103)	SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)	ECON 2103 - Honors Principles of Economics I	SPH 2003 - Public Speaking
			SPH 2173 - Business and Professional Speaking