

## 2015-2016 Degree Map-Bachelor of Science in Geology: Environmental 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 <http://www.atu.edu/academics/catalog/>.

**Possible careers include: Natural Sciences Manager, Water Resource Specialist, Geoscientist, Hydrologist, Atmospheric/Earth/Marine/Space Sciences Teacher, Geological Data Technician, Geologist, Seismologist, Environmental Scientist**

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

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013: Comp I (ACTS=ENGL 1013)	3	#		
PHSC1001: Orientation to Physical Science	1			
MATH1113: College Algebra (ACTS=MATH 1103)	3	#	Milestone	
PHSC1004: Principles of Environmental Science	4			
GEOL1014: Physical Geology (ACTS= GEOL 1114)	4		Milestone	
Total hours	15	GPA		

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
BIOL3043(Conservation) or *Sci/Math Elective (3000-4000 level)	3		Must complete Biol3043 and Elective	
PHYS2014/2000: Physical Principles I (ACTS= PHYS2014)	4			
GEOL3023: Geologic Field Techniques	3			
GEOL3044:Geomorphology or GEOL3153:Env. Geology	3-4			
Total hours	13-14	GPA		

Semester 2	Hrs.	Milestones/Notes	Semester 2
ENGL 1023: Comp II (ACTS= ENGL 1023)	3	#	
CHEM2124/2120: General Chemistry I (ACTS= CHEM 1414)	4	Prereq. for GEOL 3014	
GEOL2024: Historical Geology (ACTS= GEOL 1134)	4	(ACTS= CPSI1003)	
COMS1003: Intro. to Computer Based Systems	3	MATH2163(ACTS=MATH2103)	
PHSC1011:Orientation to Physical Science II	1	Substitutions not allowed.	
Total hours	15	GPA	

Semester 6	Hrs.	Milestones/Notes	Semester 6
Fine Arts & Humanities	3		pre-req: GEOL 3004
Fine Arts & Humanities	3		
PHYS2024/2010: Physical Principles II (ACTS= PHYS2024)	4		
Social Sci/Fine Arts/Humanities/Speech	3		pre-req: GEOL 3004
GEOL3111: Environmental Seminar	1		
Total hours	14	GPA	APPLY FOR GRADUATION

Semester 3	Hrs.	Milestones/Notes	Semester 3
ENGL2053: Technical Writing (ACTS=ENGL 2053)	3		
Social Sci/Fine Arts/Humanities/Speech	3		
U.S. History & Government	3		
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4	Requires prereq of CHEM 2124	
GEOL3014: Mineralogy	4	Requires prereq of CHEM 2124	
Total hours	17	GPA	

Semester 7	Hrs.	Milestones/Notes	Semester 7
Social Sci/Fine Arts/Humanities/Speech	3		
BIOL3043(Conservation) or *Sci/Math Elective (3000-4000 level)	3	Must complete Biol3043 and Elective	
GEOG2833: Intro. to Geographic Information Systems	3		
GEOL3044:Geomorphology or GEOL3153:Env. Geology	3-4		pre-req: GEOL 3004
GEOL3083: Hydrogeology	3		
Total hours	15-16	GPA	

**Semester 4**

Semester 4	Hrs.	Milestones/Notes	Semester 4
BIOL1014: Intro. to Biological Science (ACTS= BIOL 1004)	4		
GEOL3004: Structural Geology	4		
COMS2003: Microcomputer Applications	3		
GEOL2111: Environmental Seminar	1		
GEOL3164: Petrology	4		
Total hours	16	GPA	GEOL ADVISOR ASSIGNED

Semester 8	Hrs.	Milestones/Notes	Semester 8
GEOL3174: Computer Applications in Geology	4		
GEOL4111: Environmental Seminar	1		
Science/Math Elective*	3		Graduation Requirements:
Science/Math Elective*	3		Min. hours 3000-4000 level courses: 40
GEOL4043: Geochemistry	3		No more than 4 PE activity hours
Total Hours	14	GPA	Min. hours required:120
			2.00+ GPA

General Electives: 0 hours

\*Science/Math Electives: Physical or Life Sciences & Mathematics (Geology, Biology, Chemistry & Math)

# indicates a "C" or better is required

Fine Arts and Humanities	U.S. History & Government
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 United States History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 United States History from 1877 (ACTS=HIST2123)
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)	Speech Courses
ENGL 2023 Honors World Literature	SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003)
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	SPH 2003 Public Speaking
PHIL 2043 Honors Introduction to Philosophy	SPH 2173 Business and Professional Speaking

Social Sciences
ECON 2013 Principles of Economics II (ACTS=ECON2203)
SOC 1003 Introductory Sociology (ACTS=SOC10103)
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
HIST 1503 World Civilization to 1500 (ACTS=HIST1113)
HIST 1513 World Civilization since 1500 (ACTS=HIST1123)
HIST 1543 Honors World Civilization to 1500
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
HIST 2043 Honors U.S. History to 1877
HIST 1903 Survey of American History
POLS 2003 American Government (ACTS=PLSC2003)
ECON 2003 Principles of Economics I (ACTS=ECON2103)
ECON 2103 Honors Principles of Economics I

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/>