

### 2013-2014 Degree Map-Bachelor of Science in Geology: 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 <http://www.atu.edu/academics/catalog/>.

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

#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			
Biological Science	4			
PHSC1001: Orientation to Physical Science	1			
#MATH1113: College Algebra (ACTS=MATH 1103)	3		Milestone	
GEOL1014: Physical Geology (ACTS= GEOL 1114)	4		Milestone	
Total hours	15	GPA		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
#ENGL 1023: Comp II (ACTS= ENGL 1023)	3			
CHEM2124/2120: Gen. Chem. I (ACTS=CHEM1414) <b>MILESTONE</b>	4			
PHSC1011: Orientation to Physical Science II (MANDATORY)	1		Substitutions not allowed.	
MATH1203: Plane Trigonometry (ACTS=MATH 1203)	3			
GEOG2013: Reg. Geography of World (ACTS=GEOG2103)	3			
GEOL2024: Historical Geology (ACTS= GEOL 1134)	4			
Total hours	18	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
POLS2003: American Government (ACTS= PLSC2003)	3			
Social Sciences/Speech	3		Milestone	
GEOL2001: Seminar	1			
GEOL3014: Mineralogy	4			
General Elective	3			
Total hours	14	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
Social Sciences/Speech	3			
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4			
GEOL 3124: (Invertebrate Paleo.) <b>or</b> General Elective (3000-4000) <b>See Note 1</b>	4		<b>Note 1:</b> GEOL3124 and 4023 are offered only in spring of alternating yrs. If not offered, consult with advisor to choose a General Elective.	
GEOL3164: Petrology				
Total hours	15	GPA	<b>GEOL ADVISOR ASSIGNED</b>	

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
ART 2123 Experiencing Art (ACTS=ARTA1003)	HIST 1903 Survey of American History
MUS 2003 Introduction to Music (ACTS=MUSC1003)	HIST 2003 U.S. History I (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors U.S. History I
ENGL 2173 Introduction to Film	HIST 2013 U.S. History II (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	<b>Speech Courses</b>
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003)
ENGL 2023 Honors World Literature	SPH 2003 Public Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	SPH 2173 Business and Professional Speaking
PHIL 2043 Honors Introduction to Philosophy	

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
PHYS2014: Physical Principles I (ACTS= PHYS2014)	4			See Catalog
GEOL3001: Seminar	1			
GEOL3004: Structural Geology	4			
GEOL3023: Geologic Field Techniques	3			
GEOL 3044: (Geomorphology) <b>or</b> General Elective (3000-4000 level) <b>See Note 2</b>	4			<b>Note 2:</b> GEOL3044 is only offered in fall of alternating yrs. If not offered, consult with advisor to choose a General Elective.
Total hours	16	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
PHYS2024: Physical Principles II (ACTS= PHYS2024)	4			
GEOL 3124: (Invertebrate Paleo.) <b>or</b> General Elec(3000-4000)	4		See Note 1 in Semester 4	
GEOL 4023: (Stratigraphy & Sedimentation) or Elec(3000-4000)	3		See Note 1 in Semester 4	
Choose one: COMS 1003, MATH 2163 or MATH 2914	3-4			
General Elective	1-2			
Total hours	16	GPA	<b>APPLY FOR GRADUATION</b>	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Fine Arts & Humanities	3			
GEOL4001: Seminar	1			
GEOL 3044: (Geomorphology) <b>or</b> General Elective(3000-4000 level) <b>See Note 2</b>	4		See Note 2 in Semester 5	
General Elective (3000-4000 level)	3			
Total hours	11	GPA		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
Fine Arts & Humanities	3			
GEOL4023: (Stratigraphy & Sediment) <b>or</b> General Elec(3000-4000)	3		See Note 1 in Semester 4	
General Elective (3000-4000 level)	3			
Total Hours	9	GPA	<b>Graduation Requirements:</b> 40 hours 3000-4000 level courses No more than 4 PE activity hours Min. hours required:120	
<b>Semester 9</b>				
*GEOL 4006: Field Geology	6			
Total Hours	6	GPA	2.00+ GPA	

General Electives: 16 hours 1000-4000 level; 6 hours 3000-4000 level

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

# indicates a "C" or better is required

Social Sciences
HIST 1503 World Civilization (ACTS=HIST1113)
HIST 1513 World Civilization II (ACTS=HIST1123)
HIST 1543 Honors World Civilization I
HIST 2003 U.S. History I (ACTS=HIST2113)
POLS 2003 American Government (ACTS=PLSC2123)
HIST 2043 Honors U.S. History I
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
ECON 2013 Principles of Economics II (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