

**2013-2014 Degree Map-Bachelor of Science in Geology: Petroleum 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			
PHSC1001: Orientation to Physical Science	1			
#MATH1113: College Algebra (ACTS=MATH 1103)	3		Milestone	
BIOL1014: Intro. to Biological Science (ACTS= BIOL 1004)	4			
GEOL1014: Physical Geology (ACTS= GEOL 1114)	4		Milestone	
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

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

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			
GEOL3044: Geomorphology	4			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
COMS Elective	3			
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4			
MATH 2914: Calculus I (ACTS= MATH 2405)	4		Milestone	
GEOL3164: Petrology	4			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<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 1903 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
Social Sciences/Speech	3			
CHEM3254: Fundamentals of Organic Chemistry	4			
PHYS2014: Physical Principles I (ACTS= PHYS2014)	4			
GEOL3001: Seminar	1			
GEOL3023: Geologic Field Techniques	3			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
PHYS2024: Physical Principles II (ACTS= PHYS2024)	4			
GEOL3004: Structural Geology	4			
GEOL3124: Invertbrte Paleo. or GEOL4023: Strat. & Sediment	3-4			
GEOL 3174: Comp.Apps-Geol or GEOL4034: Subsurf. Geol	4			
<b>Total hours</b>	<b>15-16</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Fine Arts & Humanities	3			
Fine Arts & Humanities	3			
GEOL4001: Seminar	1			
General Elective	3			
General Elective	3			
<b>Total hours</b>	<b>13</b>	<b>GPA</b>		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
GEOL3124: Invertbrte Paleo. or GEOL4023: Strat. & Sediment	3-4			
GEOL 3174: Comp.Apps-Geol or GEOL4034: Subsurf. Geol	4			
<b>Total Hours</b>	<b>7-8</b>			
<b>Semester 9:</b>	<b>Hrs.</b>			
*GEOL 4006: Field Geology	6			
<b>Total Hours</b>	<b>6</b>	<b>GPA</b>		

General Electives: 6 hours 1000-4000 level

\*Must be completed during the summer after Junior or Senior year

# indicates a "C" or better is required

Social Sciences
ECON 2013 Principles of Economics II (ACTS=ECON2203)
SOC 1003 Introductory Sociology (ACTS=SOC1013)
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