

2014-2015 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	Milestones/Notes		
Semester 1	Hrs.	Grade	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
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Semester 2
#ENGL 1023: Comp II (ACTS= ENGL 1023)	3		
CHEM2124/2120: General Chemistry I (ACTS= CHEM 1414)	4		Prereq for GEOL 3014
MATH1203: Plane Trig. (ACTS=MATH1203)	3		
GEOL2024: Historical Geology (ACTS= GEOL 1134)	4		
PHSC1011: Orientation to Physical Science II	1		Substitutions not allowed
Total hours	15	GPA	

Semester 3	Hrs.	Grade	Semester 3
U.S. History & Government	3		
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4		Milestone Requires prereq: CHEM 2024
GEOL2001: Seminar	1		
GEOL3014: Mineralogy	4		Requires prereq: CHEM 2124
MATH 2914: Calculus I (ACTS= MATH 2405)	4		
Total hours	16	GPA	

Semester 4	Hrs.	Grade	Semester 4
GEOG2833: Intro. to Geographic Information Systems	3		
Social Sci/Fine Arts/Humanities/Speech	3		
GEOL3004: Structural Geology	4		Milestone
GEOL3164: Petrology	4		
Total hours	14	GPA	GEOL ADVISOR ASSIGNED

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 - choose 6-9 hours ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL 2173 Introduction to Film JOUR 2173 Introduction to Film ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) ENGL 2023 Honors World Literature PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) PHIL 2043 Honors Introduction to Philosophy	U.S. History & Government HIST 1903 Survey of American History HIST 2003 U.S. History I (ACTS=HIST2113) HIST 2043 Honors U.S. History I HIST 2013 U.S. History II (ACTS=HIST2113) POLS 2003 American Government (ACTS=PLSC2003) Speech Courses - choose 3 hours SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003) SPH 2003 Public Speaking SPH 2173 Business and Professional Speaking
--	--

Sample Schedule	Milestones/Notes		
Semester 5	Hrs.	Grade	Semester 5
Social Sci/Fine Arts/Humanities/Speech	3		
GEOL3044: Geomorphology	4		
PHYS2014/2000: Physical Principles I (ACTS= PHYS2014)	4		
GEOL3001: Seminar	1		
GEOL3023: Geologic Field Techniques	3		
Total hours	15	GPA	

Semester 6	Hrs.	Grade	Semester 6
PHYS2024/2010: Physical Principles II (ACTS= PHYS2024)	4		
Social Sci/Fine Arts/Humanities/Speech	3		
GEOL3124: Invtbrt Pale. or GEOL4023: Strat. & Sediment	3-4		
GEOL 3174: Comp.Apps-Geol or GEOL4034: Subsurf. Geol	4		
Total hours	14-15	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Semester 7
Social Sci/Fine Arts/Humanities/Speech	3		
Social Sci/Fine Arts/Humanities/Speech	3		
GEOL4001: Seminar	1		
GEOL3153: Environmental Geology	3		
General Elective	4		
Total hours	14	GPA	

Semester 8	Hrs.	Grade	Semester 8
GEOL3124: Invtbrt Pale. or GEOL4023: Strat. & Sediment	3-4		
GEOL 3174: Comp.Apps-Geol or GEOL4034: Subsurf. Geol	4		
GEOL4043: Geochemistry	3		
Total Hours	10-11		
Semester 9:	Hrs.	Grade	
*GEOL 4006: Field Geology	6		
Total Hours	6	GPA	

General Electives: 4 hours (1000-4000 level)

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

indicates a "C" or better is required

Social Sciences- choose 6-9 hours 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) HIST 2013 U.S. HISTORY II (ACTS=HIST2123) 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=SOC11013) 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
--	--