

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

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	
Total hours	15	GPA		

Semester 2	Hrs.	Grade	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	
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	Milestones/Notes	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	Milestones/Notes	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	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)	Speech Courses - choose 3 hours
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
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	Milestones/Notes	Semester 6
PHYS2024/2010: Physical Principles II (ACTS= PHYS2024)	4			
Social Sci/Fine Arts/Humanities/Speech	3			
GEOL3124: Invertbrte Paleo. 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	Milestones/Notes	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	Milestones/Notes	Semester 8
GEOL3124: Invertbrte Paleo. or GEOL4023: Strat. & Sediment	3-4			
GEOL 3174: Comp.Apps-Geol or GEOL4034: Subsurf. Geol	4			
GEOL4043: Geochemistry	3			
Total Hours	10-11		Graduation Requirements: Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required: 120 2.00+ GPA	
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 2013 U.S. History II (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=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