

2019-2020 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/catalog/>

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

#Prerequisite Courses: ENGL 0303 _____ ENGL 0404 _____ READ 0103 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 0900 _____ MATH 1110 _____

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#		
PHSC 1001- Orientation to Physical Science	1			
MATH 1113- College Algebra (ACTS=MATH 1103)	3	#	Milestone	
BIOL 1014- Intro. to Biological Science (ACTS= BIOL 1004)	4			
GEOL 1014- 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	#		
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4		Prereq for GEOL 3014	
MATH 1203- Plane Trig. (ACTS=MATH1203)	3			
GEOL 2024- Historical Geology (ACTS= GEOL 1134)	4			
PHSC 1011- 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			
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4		Milestone. Requires prereq: CHEM 2024	
GEOL 2001- Seminar	1			
GEOL 3014- 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
GEOG 2833- Intro. to Geographic Information Systems	3			
Social Sci/Fine Arts/Humanities/Comm	3			
GEOL 3004- Structural Geology	4		Milestone	
GEOL 3164- 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	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 since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	Communication Courses
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	COMM 1003 Intro to Speech Comm
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 2003 Public Speaking
ENGL 2023 Honors World Literature	COMM 2173 Business and Professional Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	
PHIL 2043 Honors Introduction to Philosophy	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
Social Sci/Fine Arts/Humanities	3			
GEOL 3044- Geomorphology	4			
PHYS 2014/2000- Physical Principles I (ACTS= PHYS2014)	4			
GEOL 3001- Seminar	1			
GEOL 3023- Geologic Field Techniques	3			
Total hours	15	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
PHYS 2024/2010- Physical Principles II (ACTS= PHYS2024)	4			
Social Sci/Fine Arts/Humanities	3			
GEOL 3124- Invtbrt Pale. or GEOL 4023- Strat. & Sediment	3-4			
GEOL 3174- Comp.Apps-Geol or GEOL 4034- Subsurf. Geol	4			
Total hours	14-15	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Social Sci/Fine Arts/Humanities	3			
Social Sci/Fine Arts/Humanities	3			
GEOL 4001- Seminar	1			
GEOL 3153- Environmental Geology	3			
General Elective	4			
Total hours	14	GPA		

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
GEOL 3124- Invtbrt Pale. or GEOL 4023- Strat. & Sediment	3-4			
GEOL 3174- Comp.Apps-Geol or GEOL 4034- Subsurf. Geol	4			
GEOL 4043- Geochemistry	3			
Total Hours	10-11		Min. hours 3000-4000 level courses: 40	
Semester 9:	Hrs.		No more than 4 PE activity hours	
*GEOL 4006- Field Geology	6		Min. hours required:120	
Total Hours	6	GPA	2.00+ 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
HIST 1503 World History to 1500 (ACTS=HIST1113)
HIST 1513 World History since 1500 (ACTS=HIST1123)
HIST 1543 Honors World History 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
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