

NAME: _____ T#: _____



Bachelor of Science in Chemistry (Environmental Option) - 8-Semester Guaranteed Program

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/>.

Employment Information: Biophysicist, Chemical Engineer, Chemical Technician, Conservation Scientist, Environmental Engineer, Food & Drug Inspector, Food Technologist

#Remedial Courses (if applicable): ENGL 0303____ ENGL 0404____ READ 0103____ MATH 0903____

Prerequisites (if applicable): MATH 1113 (ACTS = MATH 1103)____ or ACT MATH score of 22 ____

Semester 1 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#	
MATH 2243 - Calc. for Bus. & Econ. (ACTS = MATH 2203)	3	#	MATH 2914 may substitute
PHSC 1001 - Orientation to Physical Science	1		
PHSC 1004 - Principles of Environmental Science	4		Milestone
CHEM 2124/2120 - General Chemistry I (ACTS = CHEM 1414)	4	#	Milestone
Total hours	15	GPA	

Semester 2 Course Information	Hrs.	Grade	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#	
Social Science	3		
Social Science/Fine Arts/Humanities/Speech	3		
PHSC 1011 - Orientation to Physical Science II	1		
CHEM 2134/2130 - Gen. Chemistry II (ACTS = CHEM 1424)	4	#	
ECON 2003 - Principles of Economics I (ACTS = ECON 2103)	3		
Total hours	17	GPA	

Semester 3 Course Information	Hrs.	Grade	Notes
U.S. History & Government	3		
MATH 2163 - Introduction to Statistical Methods or PSY/SOC 2053 - Statistics for the Behavioral Sciences	3		
COMS 2003 - Microcomputer Applications or COMS 2803 - Programming in C	3		
PHYS 2014/2000 - Physical Principles I (ACTS = PHYS 2014)	4		Milestone
CHEM 3254 - Fund. of Organic Chemistry	4	#	Milestone
Total hours	17	GPA	

Semester 4 Course Information	Hrs.	Grade	Notes
PHYS 2024/2010 - Physical Principles II (ACTS = PHYS 2024)	4		
CHEM 2111 - Environmental Seminar	1	#	
CHEM 3245 - Quantitative Analysis	5	#	
CHEM 3264 - Mechanistic Organic Chemistry	4	#	
Total hours	14	GPA	CHEM ADVISOR ASSIGNED

indicates a "C" or better is required

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 = ARTA 1003)	HIST 1903 - Survey of American History
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)
ENGL 2003 - Intro to World Literature (ACTS = ENGL 2113)	Science with Lab
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)

Semester 5 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
ENGL 2053 - Technical Writing (ACTS = ENGL 2023)	3		
BIOL 2124 - Principles of Zoology (ACTS = BIOL 1054)	4		
GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	4		
CHEM 3353 - Fundamentals of Toxicology	3	#	
Total hours	17	GPA	

Semester 6 Course Information	Hrs.	Grade	Notes
Fine Arts & Humanities	3		
CHEM 3313 - Environmental Chemistry	3	#	
BIOL 2134 - Principles of Botany (ACTS = BIOL 1034)	4		
BIOL 3043 - Conservation	3		
CHEM 3111 - Environmental Seminar	1	#	
Total hours	14	GPA	APPLY FOR GRADUATION

Semester 7 Course Information	Hrs.	Grade	Notes
BIOL 3054 - Microbiology	4		
BIOL 3114 - Principles of Ecology	4		
GEOL 3083 - Hydrogeology	3		
CHEM 4414 - Instrumental Analysis	4	#	
Total hours	15	GPA	

Semester 8 Course Information	Hrs.	Grade	Notes
CHEM 4111 - Environmental Seminar	1	#	Graduation Requirements: Students must complete 120 hours and achieve a 2.0 GPA or higher with at least 40 hours over 3000 level. No more than 4 hours can be in PE.
CHEM 4991-4 - Special Problems in Chemistry or CHEM 4951-4 - Research in Chemistry	1-4	#	
General Elective	6-9		
Total Hours	11	GPA	

General Electives: 6-9 hours (1000-4000)

Social Sciences	
HIST 1503 - World History to 1500 (ACTS = HIST 1113)	ECON 2013 - Princ of Economics II (ACTS = ECON 2203)
HIST 1513 - World History since 1500 (ACTS = HIST 1123)	SOC 1003 - Introductory Sociology (ACTS = SOCI 1013)
HIST 1543 - Honors World History to 1500	PSY 2003 - General Psychology (ACTS = PSYC 1103)
HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	ANTH 1213 - Intro to Anthropology (ACTS = ANTH 1013)
HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)	ANTH 2003 - Cultural Anthropology (ACTS = ANTH 2013)
HIST 2043 - Honors U.S. History to 1877	GEOG 2013 - Regional Geography (ACTS = GEOG 2103)
HIST 1903 - Survey of American History	AMST 2003 - American Studies
POLS 2003 - American Government (ACTS = PLSC 2003)	Speech Courses
ECON 2003 - Princ of Economics I (ACTS = ECON 2103)	SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
ECON 2103 - Honors Principles of Economics I	SPH 2003 - Public Speaking
	SPH 2173 - Business and Professional Speaking