

2013-2014 Degree Map-Bachelor of Science in Chemistry: Environmental 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: Biophysicist, Chemical Engineer, Chemical Technician, Conservation Scientist, Environmental Engineer, Food & Drug Inspector, Food Technologist, Forensic Science Technician, Industrial Air Pollution Analyst, Industrial Waste Inspector, Materials Scientist, Microbiologist, Pharmacist, Soil Scientist, Toxicologist, Water Pollution Control Inspector

#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		
#MATH2243: Calc. for Bus. & Econ. (ACTS=MATH 2203)	3		MATH 2914 may substitute
PHSC1001: Orientation to Physical Science	1		
PHSC1004: Principles of Environmental Science	4		Milestone
#CHEM2124/2120: General Chemistry I (ACTS= CHEM 1414)	4		
			Milestone
Total hours	15	GPA	

Semester 2	Hrs.	Grade	Semester 2
#ENGL 1023: Comp II (ACTS= ENGL 1023)	3		
Social Science	3		
Social Sci/Fine Arts/Humanities/Speech	3		
PHSC1011:Orientation to Physical Science II (MANDATORY)	1		
#CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4		
Fine Arts & Humanities	3		
Total hours	17	GPA	

Semester 3	Hrs.	Grade	Semester 3
U.S. History & Government	3		
MATH2163 or PSY/SOC2053:Stat. Meth or Stats-Behv	3		
COMS2003*:Microcomp. Apps. or COMS2803:Prog. in C	3		*(COMS 2003 prereq.= COMS 1003)
PHYS2014: Physical Principles I (ACTS= PHYS 2014)	4		Milestone
#CHEM3254: Fund. of Organic Chemistry	4		Milestone
Total hours	17	GPA	

Semester 4	Hrs.	Grade	Semester 4
PHYS 2024: Physical Principles II (ACTS= PHYS 2024)	4		
#CHEM2111: Environmental Seminar	1		
#CHEM3245: Quantitative Analysis	5		
#CHEM3264: Mechanistic Organic Chemistry	4		
Total hours	14	GPA	CHEM 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 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
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	

Prerequisites (if applicable):MATH 1113: (ACTS= MATH 1103)_____ or ACTE MATH score of 22 _____

Sample Schedule	Milestones/Notes		
Semester 5	Hrs.	Grade	Semester 5
ECON2003: Principles of Economics I	3		
ENGL2053: Technical Writing (ACTS=ENGL 2023)	3		
BIOL2124: Principles of Zoology (ACTS= BIOL 1054)	4		
GEOL1014: Physical Geology (ACTS= GEOL 1114)	4		
#CHEM3993: Special Topics in CHEM	3		
Total hours	17	GPA	

Semester 6	Hrs.	Grade	Semester 6
Fine Arts & Humanities	3		
#CHEM3313: Environmental Chemistry	3		
BIOL2134: Principles of Botany (ACTS= BIOL 1034)	4		
BIOL3043: Conservation	3		
#CHEM3111: Environmental Seminar	1		
Total hours	14	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Semester 7
BIOL3054: Microbiology	4		
BIOL3114: Principles of Ecology	4		
GEOL3083: Hydrogeology	3		
#CHEM4414: Instrumental Analysis	4		
Total hours	15	GPA	

Semester 8	Hrs.	Grade	Semester 8
POLS 4103: Environmental Politics	3		
#CHEM4111: Environmental Seminar	1		
#CHEM4991-4: Special Problems in Chemistry	1-4		
General Elective	3-6		
Total Hours	11 to 16	GPA	

Graduation Requirements?
 43 hours 3000-4000 level courses
 No more than 4 PE activity hours
 Min. hours required:120
 2.00+ GPA

General Electives: 3 to 6 hours 1000-4000 level as need to earn 120 total hours

indicates a "C" or better is required

General Electives	Social Sciences
HIST 1503 World Civilization (ACTS=HIST1113)	ECON 2013 Principles of Economics II (ACTS=ECON2203)
HIST 1513 World Civilization II (ACTS=HIST1123)	SOC 1003 Introductory Sociology (ACTS=SOCI1013)
HIST 1543 Honors World Civilization I	PSY 2003 General Psychology (ACTS=PSYC1103)
HIST 2003 U.S. History I (ACTS=HIST2113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 2013 U.S. HISTORY II (ACTS=HIST2123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2043 Honors U.S. History I	GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
HIST 1903 Survey of American History	AMST 2003 American Studies
POLS 2003 American Government (ACTS=PLSC2003)	
ECON 2003 Principles of Economics I (ACTS=ECON2103)	
ECON 2103 Honors Principles of Economics I	