

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	Semester 5 Course Information	Hrs.	Grade	Notes
ENGL 1013 - Composition I (ACTS = ENGL 1013)	3	#		Fine Arts & Humanities	3		
MATH 2243 - Calc. for Bus. & Econ. (ACTS = MATH 2203)	3	#	MATH 2914 may substitute	ENGL 2053 - Technical Writing (ACTS = ENGL 2023)	3		
PHSC 1001 - Orientation to Physical Science	1			BIOL 2124 - Principles of Zoology (ACTS = BIOL 1054)	4		
PHSC 1004 - Principles of Environmental Science	4		Milestone	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	4		
CHEM 2124/2120 - General Chemistry I (ACTS = CHEM 1414)	4	#	Milestone	CHEM 3353 - Fundamentals of Toxicology	3	#	
Total hours	15	GPA		Total hours	17	GPA	

Semester 2 Course Information	Hrs.	Notes	Semester 6 Course Information	Hrs.	Notes
ENGL 1023 - Composition II (ACTS = ENGL 1023)	3	#	Fine Arts & Humanities	3	
Social Science	3		CHEM 3313 - Environmental Chemistry	3	#
Social Science/Fine Arts/Humanities/Speech	3		BIOL 2134 - Principles of Botany (ACTS = BIOL 1034)	4	
PHSC 1011 - Orientation to Physical Science II	1		BIOL 3043 - Conservation	3	
CHEM 2134/2130 - Gen. Chemistry II (ACTS = CHEM 1424)	4	#	CHEM 3111 - Environmental Seminar	1	#
ECON 2003 - Principles of Economics I (ACTS = ECON 2103)	3		Total hours	14	GPA APPLY FOR GRADUATION
Total hours	17	GPA			

Semester 3 Course Information	Hrs.	Notes	Semester 7 Course Information	Hrs.	Notes
U.S. History & Government	3		BIOL 3054 - Microbiology	4	
MATH 2163 - Introduction to Statistical Methods or PSY/SOC 2053 - Statistics for the Behavioral Sciences	3		BIOL 3114 - Principles of Ecology	4	
COMS 2003 - Microcomputer Applications or COMS 2803 - Programming in C	3		GEOL 3083 - Hydrogeology	3	
PHYS 2014/2000 - Physical Principles I (ACTS = PHYS 2014)	4		CHEM 4414 - Instrumental Analysis	4	#
CHEM 3254 - Fund. of Organic Chemistry	4	#			
Total hours	17	GPA			
					15 GPA

Semester 4 Course Information	Hrs.	Notes	Semester 8 Course Information	Hrs.	Notes
PHYS 2024/2010 - Physical Principles II (ACTS = PHYS 2024)	4		CHEM 4111 - Environmental Seminar	1	#
CHEM 2111 - Environmental Seminar	1	#	CHEM 4991-4 - Special Problems in Chemistry or CHEM 4951-4 - Research in Chemistry	1-4	#
CHEM 3245 - Quantitative Analysis	5	#	General Elective	6-9	
CHEM 3264 - Mechanistic Organic Chemistry	4	#	Total Hours	11	GPA
Total hours	14	GPA	CHEM ADVISOR ASSIGNED		

indicates a "C" or better is required
General Electives: 6-9 hours (1000-4000)

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	Social Sciences
ART 2123 - Experiencing Art (ACTS = ARTA 1003)	HIST 1903 - Survey of American History	HIST 1503 - World History to 1500 (ACTS = HIST 1113)
MUS 2003 - Introduction to Music (ACTS = MUSC 1003)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)	HIST 1513 - World History since 1500 (ACTS = HIST 1123)
TH 2273 - Introduction to Theatre (ACTS = DRAM 1003)	HIST 2043 - Honors U.S. History to 1877	HIST 1543 - Honors World History to 1500
ENGL 2173 - Introduction to Film	HIST 2013 - U.S. History II (ACTS = HIST 2123)	HIST 2003 - U.S. History to 1877 (ACTS = HIST 2113)
JOUR 2173 - Introduction to Film	POLS 2003 - American Government (ACTS = PLSC 2003)	HIST 2013 - U.S. History since 1877 (ACTS = HIST 2123)
ENGL 2003 - Intro to World Literature (ACTS = ENGL 2113)	Science with Lab	HIST 2043 - Honors U.S. History to 1877
ENGL 2013 - Intro to American Literature (ACTS = ENGL 2653)	BIOL 1014 - Intro to Biological Science (ACTS = BIOL 1004)	HIST 1903 - Survey of American History
ENGL 2023 - Honors World Literature	BIOL/PHSC 1004 - Principles of Environmental Science	POLS 2003 - American Government (ACTS = PLSC 2003)
PHIL 2003 - Introduction to Philosophy (ACTS = PHIL 1103)	GEOL 1014 - Physical Geology (ACTS = GEOL 1114)	ECON 2003 - Princ of Economics I (ACTS = ECON 2103)
PHIL 2043 - Honors Introduction to Philosophy	PHSC 1013/1021 - Physical Sci/Lab (ACTS = PHSC 1004)	ECN 2103 - Honors Principles of Economics I
		SPH 1003 - Intro to Speech Com (ACTS = SPCH 1003)
		SPH 2003 - Public Speaking
		SPH 2173 - Business and Professional Speaking