

Camanda Cabaduda

NAME:	T#:	DATE:

8-Semester Guaranteed Program

Total hours

Rev. 12/4/2023

2023-2024 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/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

NA:1-----/NI----

#Prerequisite Courses: ENGL 0303 ___ MATH 0803 __ MATH 1003 ___ MATH 0903 ___ MATH 1113 __ MATH 1110 ___ MATH 1203 ___ MATH 1914 ___ COMS 1003 ___

	Milestones/Notes		
Hrs.	Grade	Semester 1	
3	#		
3	#	MATH 2914 may substitute	
1			
4		Milestone	
4	#	Milestone	
15	GPA		
	3 3 1 4 4	Hrs. Grade 3 # 3 # 1 4 4 # 15 GPA	

Semester 2	Hrs.		Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
Social Science	3		
CHEM 3313- Environmental Chemistry	3		
PHSC 1011- Orientation to Physical Science II (MANDATORY)	1		
CHEM 2134/2130- Gen. Chemistry II (ACTS= CHEM 1424)	4	#	
ECON 2003 - Principles of Economics I (ACTS= 2103)	3		
Total hours	17	GPA	
Semester 3	Hrs.		Semester 3
U.S. History & Government	3		
STAT 2163-Intro to Stat. Methods OR	3		
PSY/SOC 2053-Stat for Behavioral Sciences	3		
COMS 2003*- Microcomputer Applications OR	3		*(COMS 2003 prereg.= COMS 1003)
COMS 2803-Programming in C	3		(COMS 2005 prereq. – COMS 1005)
PHYS 2014/2000- Algebra-Based Physics I	4		or PHYS 2114/2000- Calculus-Based Phys I
CHEM 3254- Fund. of Organic Chemistry	4	#	Milestone
Total hours	17	GPA	
Semester 4	Hrs.		Semester 4
PHYS 2024/2010- Algebra-Based Physics II	4		or PHYS 2114/2000- Calculus-Based Phys II
CHEM 2111- Environmental Seminar	1	#	
CHEM 3245- Quantitative Analysis	5	#	
CHEM 3264- 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 by searching keyword "ACTS" at https://adhe.edu/

Fine Arts and Humanities
ART 2123 Experiencing Art (ACTS=ARTA1003)
MUS 2003 Introduction to Music (ACTS=MUSC1003)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)
ENGL/JOUR 2173 Introduction to Film
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)
1013 from SPAN, FR, GER, JPN, CHIN, or LAT
1023 from SPAN, FR, GER, JPN, CHIN, or LAT
LEAD 2003 Ethics in Leadership

U.S. History & Government
HIST 1903 Survey of American History
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
POLS 2003 American Government (ACTS=PLSC2003)
Communication Courses
COMM 1003 Intro to Speech Comm
COMM 2003 Public Speaking
COMM 2173 Business and Professional Speaking
University Honors students should consult Course Catalog for
appropriate Fine Arts/Humanities, US History/Government and
Social Science options for University Honors Curriculum.

Sample Schedule	Milestones/Notes		
Semester 5	Hrs.	Grade	Semester 5
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	#	

Semester 6	Hrs.		Semester 6
Fine Arts & Humanities	3		
Social Sci/Fine Arts/Humanities/Comm	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

17 GPA

Semester 7	Hrs.		Semester 7
BIOL 3054- Microbiology	4		
BIOL 3114- Principles of Ecology	4		
GEOL 3083- Hydrogeology	3		
CHEM 4414- Instrumental Analysis	4	#	
	15	GPΔ	

Semester 8	Hrs.		Semester 8
CHEM 4111- Environmental Seminar	1	#	
CHEM 4991-4- Special Problems in Chemistry OR	1-4	#	Graduation Requirements?
CHEM 4951-4- Undergraduate Research in Chemistry			Min. hours 3000-4000 level courses: 40
General Elective	6-9		No more than 4 PE activity hours
			Min. hours required:120
Total Hours	11	GPA	2.00+ GPA

General Electives: 6 to 9 hours (1000-4000 level) as needed to earn 120 total hours

indicates a "C" or better is required

HIST 1503 World History to 1500 (ACTS=HIST1113) HIST 1513 World History since 1500 (ACTS=HIST1123) HIST 2003 U.S. History to 1877 (ACTS=HIST2113) HIST 2013 U.S. History since 1877 (ACTS=HIST2123) HIST 1903 Survey of American History POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Macroeconomics (ACTS=ECON2103) ECON 2013 Principles of Microeconomics (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOCI1013)

PSY 2003 General Psychology (ACTS=PSYC1103)

Social Sciences 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 FIN 2013 Personal Finance

LEAD 1003 Introduction to Leadership