

2021-2022 Degree Map-Bachelor of Science in Chemistry Education

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: Biological Science Teacher, Forestry/Conservation Science Teacher, Atmospheric, Earth, Marine, and Space Science Teacher, Chemistry Teacher, Environmental Science Teacher, Physics Teacher

#Prerequisite Courses: ENGL 0303 _____ MATH 0903 _____ MATH 1113 _____ MATH 1110 _____ MATH 1203 _____

Sample Schedule	Milestones/Notes	
Semester 1	Hrs.	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3 #	Required for admission to Stage II
Fine Arts & Humanities	3	
MATH 1914- Precalculus (ACTS= MATH 1305)	4 #	Required for admission to Stage II
CHEM 2124/2120- General Chemistry I (ACTS= CHEM 1414)	4 #	
PHSC 1001- Orientation to Physical Science	1 #	
Total hours	15 GPA	
Semester 2	Hrs.	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3 #	Required for admission to Stage II
BIOL 1114- Principles of Biology (ACTS= 1014)	4 #	
MATH 2914- Calculus I (ACTS= MATH 2405)	4 #	
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4 #	
PHSC 1011- Orientation to Physical Science II	1 #	
Total hours	16 GPA	
Semester 3	Hrs.	Semester 3
HIST 1903- Survey of American History	3 #	
PHYS 2114/2000- Calculus-Based Physics I (ACTS=PHYS2034)	4 #	
MATH 2924- Calculus II (ACTS= MATH 2505)	4 #	
CHEM 3254- Fundamentals of Organic Chemistry	4 #	
SEED 2002- Education as a Profession	2 #	Required for admission to Stage II
Total hours	17 GPA	
Semester 4	Hrs.	Semester 4
COMM 2003- Public Speaking	3 #	Required for admission to Stage II
PHYS 2024- Algebra-Based Physics II (ACTS= PHYS2024) OR PHYS 2124- Calculus-Based Physics II (ACTS=PHYS2044)	4 #	Must also enroll in a section of Lab, PHYS 2010
CHEM 3624- Mechanistic Organic Chemistry	4 #	
CHEM 3313- Environmental Chemistry	3 #	2.70+ GPA REQUIRED
General Elective	1	
Total hours	15 GPA	CHEM & SEED 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 <https://www.adhe.edu/students-parents/colleges-universities/transfer-info.-for-students/>

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 2173 Introduction to Film
JOUR 2173 Introduction to Film
ENGL 2183 Honors Introduction to Film
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)
ENGL 2023 Honors World Literature
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)
PHIL 2043 Honors Introduction to Philosophy
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)

Sample Schedule	Milestones/Notes	
Semester 5	Hrs.	Semester 5
Fine Arts & Humanities	3	Apply for Admission to Stage II
STAT 2163- Intro to Statistical Methods (ACTS=MATH 2103)	3 #	
PHYS 3213- Modern Physics	3 #	
CHEM 3301- Chemistry Seminar	1 #	
CHEM 3423- Descriptive Inorganic Chemistry	3 #	
Total hours	13 GPA	
Semester 6	Hrs.	Semester 6
POLS 2003- American Government (ACTS= PLSC2003)	3 #	
COMS 2003-Microcomputer Applications OR COMS 2803- Programming in C	3 #	
CHEM 3245- Quantitative Analysis	5 #	
PHSC 3252- The Nature and Context of Science	2 #	
SEED 3702- Introduction to Educational Technology	2 #	
Total hours	15 GPA	APPLY FOR GRADUATION
Semester 7	Hrs.	Semester 7
ANTH 2003- Cultural Anthropology (ACTS=ANTH 2013)	3 #	
PHSC 3233- Science Ed in Secondary School	3 #	Prereqs: 16 hrs Science & SEED 2002
SEED 4054- Educating Developing, Divers, and Exceptional Learners	4 #	
SEED 4556-Classroom Application of Educational Psychology	6 #	Requires Stage II Admission
Total hours	16 GPA	Apply for Internship
Students must receive passing Praxis II scores to be admitted to Internship		
Semester 8	Hrs.	Semester 8
PHSC 4701- Special Methods in Physical Science	1 #	MUST BE ADMITTED TO INTERNSHIP
SEED 4503- Seminar in Secondary Education	3 #	
SEED 4909- Teaching in the Secondary School	9 #	
		Graduation Requirements: Min. 120 earned hours
Total Hours	13 GPA	

General Electives: 1 hour (1000-4000 level)

indicates a "C" or better is required