

**2019-2020 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 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1113 \_\_\_\_\_ MATH 1110 \_\_\_\_\_ MATH 1203 \_\_\_\_\_

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	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.	Grade	Milestones/Notes	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.	Grade	Milestones/Notes	Semester 3
HIST 1903- Survey of American History	3	#		
PHYS 2114/2000- General 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.	Grade	Milestones/Notes	Semester 4
COMM 2003- Public Speaking	3	#	Required for admission to Stage II	
PHYS 2024- Physical Principles II (ACTS= PHYS2024) OR PHYS 2124-General 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 <http://acts.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 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**

Semester 5	Hrs.	Grade	Milestones/Notes	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.	Grade	Milestones/Notes	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.	Grade	Milestones/Notes	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, Diverse, and Exceptional Learners	4	#		
SEED 4556-Classroom Application of Educational Psychology	6	#	Requires Stage II Admission	
Total hours	16	GPA	Apply for Internship	
<b>Students must receive passing Praxis II scores to be admitted to Internship</b>				
Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
PHSC 4701- Special Methods in Physical Science	1	#	<b>MUST BE ADMITTED TO INTERNSHIP</b>	
SEED 4503- Seminar in Secondary Education	3	#		
SEED 4909- Teaching in the Secondary School	9	#		
				<b>Graduation Requirements: Min. 120 earned hours</b>
Total Hours	13	GPA	2.70+ GPA	

General Electives: 1 hour (1000-4000 level)

# indicates a "C" or better is required