

**2019-2020 Degree Map-Bachelor of Science in Biology: General 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: Clinical Research Coordinator, Water Resource Specialist, Molecular and Cellular Biologist, Life Scientist, Biological Science Teacher**

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1110 \_\_\_\_\_

**Sample Schedule**
**Milestones/Notes**

Semester 1	Hrs.	Grade	Semester 1
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#	
Social Science	3		
MATH 1113- College Algebra (ACTS= MATH 1103)	3	#	
BIOL 1011- Orientation to the Biological Sciences	1		
BIOL 1114- Principles of Biology (ACTS= BIOL 1014)	4		
Total hours	14	GPA	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#	
Social Science	3		
BIOL 2124- Zoology or BIOL 2134- Botany	4		(ACTS= BIOL 1054 or 1034)
Physical Activity	2		
Any COMS	3		
Total hours	15	GPA	

\*Must choose sufficient electives at 3000-4000 level to constitute a total of 40 hours.

Semester 3	Hrs.	Grade	Semester 3
U.S. History & Government	3		
CHEM 2124/2120- Gen. Chem. I (ACTS=CHEM1414) MILESTONE	4		<b>Complete by Semester 4</b>
BIOL 2124- Zoology or BIOL 2134- Botany	4		(ACTS= BIOL 1054 or 1034)
Math Elective (Math higher than MATH 1113)	3		See catalog for recommendations
*General Elective	3		
Total hours	17	GPA	

Semester 4	Hrs.	Grade	Semester 4
COMM 2003- Public Speaking	3		COMM 2173 may substitute.
CHEM2134/2130- General Chemistry II (ACTS= CHEM 1424)	4		
BIOL 3034: Genetics	4		
*Biology elective	4		
Total hours	15	GPA	<b>BIOL ADVISOR ASSIGNED</b>

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 United States History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2043 Honors United States History to 1877
ENGL 2173 Introduction to Film	HIST 2013 United States History since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	<b>Communication Courses</b>
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	COMM 1003 Intro to Speech Comm
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 2003 Public Speaking
ENGL 2023 Honors World Literature	COMM 2173 Business and Professional Speaking
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.	Grade	Semester 5
CHEM 3254- Fundamentals of Organic Chemistry	4		
PHYS 2014/2000- Physical Principles I (ACTS=PHYS 2014)	4		
BIOL 3114- Principles of Ecology	4		
Math Elective (math higher than MATH 1113)	3		Courses in calculus or statistics and FW 3173 Biostatistics is recommended
Total hours	15	GPA	

Semester 6	Hrs.	Grade	Semester 6
CHEM 3264- Mechanistic Organic Chemistry	4		
PHYS 2024/2010- Physical Principles II (ACTS=PHYS 2024)	4		
Biology Elective (3000-4000 level)	4		
*General Elective	3		
Total hours	15	GPA	<b>APPLY FOR GRADUATION</b>

Semester 7	Hrs.	Grade	Semester 7
Fine Arts & Humanities	3		
Physiology or Cellular Elective (See Catalog)	3-4		See Tech Catalog for recommendations
*Biology Elective	3-4		
*General Elective	3		
*General Elective	2		
Total hours	14-16	GPA	

Semester 8	Hrs.	Grade	Semester 8
Fine Arts & Humanities	3		<b>Graduation Requirements:</b> Min. hours 3000-4000 level courses: 40 No more than 4 PE activity hours Min. hours required:120 2.00+ GPA No more than 12 hours of "D" grades
Physiology or Cellular Elective (See Catalog)	3-4		
BIOL 4891- Seminar in Biology	1		
*Biology Elective	3-4		
*General Elective	3		
Total Hours	13-15	GPA	

General Electives: 14 hours (\*Must choose sufficient General and Biology Electives at 3000-4000 level to constitute a total of 40 upper level hours)

# indicates a "C" or better is required

HIST	Social Sciences
HIST 1503 World History to 1500 (ACTS=HIST1113)	ECON 2013 Principles of Economics II (ACTS=ECON2203)
HIST 1513 World History since 1500 (ACTS=HIST1123)	SOC 1003 Introductory Sociology (ACTS=SOCI1013)
HIST 1543 Honors World History to 1500	PSY 2003 General Psychology (ACTS=PSYC1103)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2043 Honors U.S. History to 1877	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	