

**2024-2025 Degree Map-Bachelor of Science in Biology, Ecology and Evolution 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 <https://catalog.atu.edu/>

#Prerequisite Courses: ENGL 0303 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 1110 \_\_\_\_\_ COMS 1003 \_\_\_\_\_

**Sample Schedule**

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013- Comp I (ACTS=ENGL 1013)	3	#		
MATH 1113- College Algebra	3	#	(ACTS= MATH 1103 or 1305)	
CHEM 2124/2120: General Chemistry I (ACTS= CHEM 1414)	4			
BIOL 1011- Orientation to the Biological Sciences	1			
BIOL 1114- Principles of Biology (ACTS= BIOL 1014)	4			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		
CHEM 2134/2130- General Chemistry II (ACTS= CHEM 1424)	4			
BIOL 2124- Principles of Zoology	4			
STAT 2163- Introduction to Statistical Methods OR PSY/SOC 2053 Statistics for the Behavioral Sciences	3			
U.S. History & Government	3			
<b>Total hours</b>	<b>17</b>	<b>GPA</b>		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
SOC 1003- Sociology or PSY 2003- Psychology	3		(ACTS= SOCI1013 or PSYC1103)	
CHEM 3254- Fundamentals of Organic Chemistry	4			
BIOL 2134- Principles of Botany	4			
PHYS 2014/2000- Algebra-Based Physics I (ACTS=PHYS 2014)	4			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
Biology Elective	4		BIOL Electives include any course with BIOL prefix	
PHYS 2024/2010- Algebra-Based Physics II (ACTS=PHYS 2024)	4			
CHEM 3264- Mechanistic Organic Chemistry	4			
COMM 2003- Public Speaking or COMM 2173-Bus/Prof	3			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>	<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 by searching keyword "ACTS" at <https://adhe.edu/>

<p><b>Fine Arts and Humanities</b>                  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, or JPN                  1023 from SPAN, FR, GER, JPN, or CHIN                  LEAD 2003 Ethics in Leadership</p>	<p><b>U.S. History &amp; Government</b>                  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)</p> <p><b>University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.</b></p>
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Possible Careers: Clinical Research Coordinator, Water Resource Specialist, Molecular and Cellular Biologist, Life Scientist, Biological Science Teacher

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
BIOL 3034- Genetics	4			
Fine Arts or Humanities	3			
BIOL 3114- Ecology or BIOL 4094- Coastal Ecology	4			
BIOL 3054- Microbiology	4			
<b>Total hours</b>	<b>15</b>	<b>GPA</b>		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
Physiology Elective	4		BIOL 3074 or BIOL 3174	
Social Science	3			
MATH or STAT Elective	3		Any MATH higher than 1113, any STAT higher than 2163	
Biology Elective	3-4			
Biology Elective	3-4			
<b>Total hours</b>	<b>16-18</b>	<b>GPA</b>	<b>APPLY FOR GRADUATION</b>	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
Organismal Elective	4		BIOL 2014, 3004, 3064, 3084, 3104, 3134, 3144, 3154, 3224, 4044	
Fine Arts & Humanities	3			
Biology Elective	3-4			
Biology Elective	3-4			
General Elective	2			
<b>Total hours</b>	<b>15-17</b>	<b>GPA</b>	No more than 12 hours of "D" grades	

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

Semester 8	Hrs.	Grade	Milestones/Notes	Semester 8
BIOL 4891- Seminar in Biology	1		<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	
*Cell/Molecular Elective	3-4			
Biology Elective	4			
General Elective	4			
<b>Total Hours</b>	<b>12-13</b>	<b>GPA</b>		

General Electives: 5 - 12 hours (1000-4000 level) as need to complete 40 hrs. total of 3000-4000 level courses.

# indicates a "C" or better is required

\*Cell/Molecular Electives Include: BIOL 4023, 4033, 4054, 4074

<p><b>Social Sciences</b>                  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)</p>	<p><b>Social Sciences</b>                  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</p>
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