

2023-2024 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 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1110 _____

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	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	Milestones/Notes	Semester 2
ENGL 1023- Comp II (ACTS= ENGL 1023)	3	#		
Social Science	3			
Physical Activity	2			
BIOL 2124- Principles of Zoology	4			
Math Elective (Math higher than MATH 1113)	3		Math elective courses in the areas of statistics, biostatistics, and/or calculus are recommended	
Total hours	15	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
U.S. History & Government	3			
CHEM 2124/2120- Gen. Chem. I (ACTS=CHEM1414) MILESTONE	4		Complete by Semester 4	
BIOL 2134- Principles of Botany	4			
BIOL 3033- Bioinformatics or any COMS	3		See catalog for recommendations	
*General Elective	3			
Total hours	17	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	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	BIOL 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/>

indicates a "C" or better is required

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 U.S. History to 1877 (ACTS=HIST2113)
TH 2273 Introduction to Theatre (ACTS=DRAM 1003)	HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
ENGL/JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
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	

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
CHEM 3254- Fundamentals of Organic Chemistry	4			
PHYS 2014/2000- Algebra-Based Physics I (ACTS=PHYS 2014)	4			
BIOL 3114- Principles of Ecology	4		See Note 1 Below	
Math Elective (math higher than MATH 1113)	3		Math elective courses in the areas of statistics, biostatistics, and/or calculus are recommended	
Total hours	15	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
CHEM 3264- Mechanistic Organic Chemistry	4			
PHYS 2024/2010- Algebra-Based Physics II (ACTS=PHYS 2024)	4			
Biology Elective (3000-4000 level)	4			
*General Elective	3			
Total hours	15	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	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	Milestones/Notes	Semester 8
Fine Arts & Humanities	3			Graduation Requirements: 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)

NOTE 1: BIOL 4094 Coastal Ecology in May mini-term can serve as an alternate to BIOL 3114 Principles of Ecology in the BIOL major.

Social Sciences
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)
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