

2022-2023 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	Milestones/Notes	
Semester 1	Hrs.	Grade
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
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	
Total hours	15	GPA

Semester 3	Hrs.	Grade
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 <i>or</i> any COMS	3	See catalog for recommendations
*General Elective	3	
Total hours	17	GPA

Semester 4	Hrs.	Grade
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

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	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	Communication Courses
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
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
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

Semester 7	Hrs.	Grade
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
Fine Arts & Humanities	3	
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

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

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

Social Sciences
ECON 2013 Principles of Economics II (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