

2015-2016 Degree Map-Bachelor of Science in Biology: Environmental 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/academics/catalog/>.

Possible careers include: Clinical Research Coordinator, Water Resource Specialist, Molecular and Cellular Biologist, Life Scientist, Biological Science Teacher

#Remedial Courses (if applicable): ENGL 0303 ____ ENGL 0404 ____ READ 0103 ____ MATH 0903 ____

Sample Schedule

Semester 1	Hrs.	Grade	Milestones/Notes	Semester 1
ENGL 1013-Comp I (ACTS=ENGL 1013)	3	#		
BIOL 1004: Principles of Environmental Science	4			
MATH 1113- College Algebra (ACTS= MATH 1103)	3	#	Milestone	
BIOL1011: Orientation to the Biological Sciences	1			
BIOL1114: Principles of Biology (ACTS= BIOL 1014)	4			
Total hours	15	GPA		

Semester 2	Hrs.	Grade	Milestones/Notes	Semester 2
ENGL 1023: Comp II (ACTS= ENGL 1023)	3	#		
U.S. History & Government	3			
BIOL2124: Principles of Zoology (ACTS= BIOL 1054)	4			
Statistics: PSY/SOC 2053 or MATH 2163	3		MATH 2163 (ACTS=MATH2103)	
Social Science	3			
Total hours	16	GPA		

Semester 3	Hrs.	Grade	Milestones/Notes	Semester 3
ENGL2053: Technical Writing (ACTS=ENGL 2023)	3			
Social Science	3			
CHEM2124/2120: Gen. Chem. I (ACTS=CHEM1414) MILESTONE	4		Complete by Semester 4	
BIOL2134: Principles of Botany (ACTS= BIOL 1034)	4			
Total hours	14	GPA		

Semester 4	Hrs.	Grade	Milestones/Notes	Semester 4
Fine Arts & Humanities	3			
Soc. Sci./Fine Arts/Humanities/Speech	3			
CHEM2134/2130: General Chemistry II (ACTS= CHEM 1424)	4			
BIOL2111: Environmental Seminar	1			
General Elective	3			
Total hours	14	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 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 from 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	Speech Courses
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003)
ENGL 2023 Honors World Literature	SPH 2003 Public Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	SPH 2173 Business and Professional Speaking
PHIL 2043 Honors Introduction to Philosophy	

Sample Schedule

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
CHEM3254: Fundamentals of Organic Chemistry	4			
PHYS2014/2000: Physical Principles I (ACTS=PHYS 2014)	4			
BIOL3043: Conservation	3			
BIOL3124:Physiology or BIOL3174:Physiological Ecology	4			
Total hours	15	GPA		

Semester 6	Hrs.	Grade	Milestones/Notes	Semester 6
CHEM3264: Mechanistic Organic Chemistry	4			
PHYS2024/2010: Physical Principles II (ACTS=PHYS 2024)	4			
BIOL 3114: Ecology or *BIOL 4094: Coastal Ecology	4			
BIOL3111: Environmental Seminar	1			
General Elective	3-4			
Total hours	16-17	GPA	APPLY FOR GRADUATION	

Semester 7	Hrs.	Grade	Milestones/Notes	Semester 7
CHEM3353: Fundamentals of Toxicology	3			
BIOL3034: Genetics	4			
BIOL3054: Microbiology	4			
Math Elective (MATH 2243 Business Calculus or 2914 Cal I recommended or FW 3173 Biostatistics)	3-4		ACTS = MATH 2203 and 2405	
Total hours	14-15	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
CHEM3313: Environmental Chemistry	3			
BIOL4024: Limnology	4			
BIOL4111: Environmental Seminar	1			
BIOL Elective (3000-4000 level)	4			
Total Hours	15	GPA		

General Electives: 7 hours (1000-4000 level)

*Includes a trip to the Gulf Coast. Offered in May mini-term only.

indicates a "C" or better is required

HIST	Social Sciences
HIST 1503 World Civilization to 1500 (ACTS=HIST1113)	ECON 2013 Principles of Economics II (ACTS=ECON2203)
HIST 1513 World Civilization since 1500 (ACTS=HIST1123)	SOC 1003 Introductory Sociology (ACTS=SOCI1013)
HIST 1543 Honors World Civilization 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	