

**2025-2026 Degree Map-Bachelor of Science in Fisheries and Wildlife Science -- Page 1 of 2**

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 1003 \_\_\_\_ MATH 0903 \_\_\_\_ MATH 1110 \_\_\_\_

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

Semester 1	Hrs.	Grade	Semester 1
ENGL 1013- Comp I (ACTS=ENGL1013)	3	#	
Social Science- SOC 1003 or PSY 2003 recommended	3		
MATH 1113- College Algebra (ACTS= MATH1103)	3	#	
FW 1001- Orientation to Fisheries and Wildlife Science	1		No Substitutions
BIOL 1114- Principles of Biology (ACTS= BIOL1014)	4		
Total hours	14	GPA	

Semester 2	Hrs.		Semester 2
ENGL 1023- Comp II (ACTS= ENGL1023)	3	#	Freshman Milestone: Visit the Tutoring Center at least once
ECON 2003- Principles of Macroeconomics (ACTS=ECON2103)	3		
CHEM 1113/1111- Survey of Chemistry/Lab (ACTS-CHEM 1214) or CHEM 2124/2120- General Chemistry I/Lab	4		
BIOL 2124- Principles of Zoology (ACTS= BIOL1054)	4		
Total hours	14	GPA	

Semester 3	Hrs.		Semester 3
FW 2013- Natural Resources Communications	3		
BIOL 2134- Principles of Botany (ACTS= BIOL 1034)	4		
CHEM 2204- Organic Physiological Chem	4		
Statistics, FW 3084- Ichthyology, or FW 3154- Mammalogy	3-4		See Note 2
(Statistics may be chosen from PSY, SOC, or STAT)			
Total hours	14-15	GPA	

Semester 4	Hrs.		Semester 4
FW/GEOG 2833- Intro to Geographic Information Systems	3		
Statistics or FW 3144- Ornithology	3-4		See Note 2
U.S. History & Government	3		Sophomore Milestone: Meet with faculty about career paths in your field
FW 3114- Principles of Ecology	4		
Communication	3		COMM 2003 or 2173 recommended
Total hours	16-17	GPA	FW 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/>

<b>Fine Arts and Humanities</b> ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Survey of Music History (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, JPN, CHIN, or LAT 1023 from SPAN, FR, GER, JPN, CHIN, or LAT LEAD 2003 Ethics in Leadership	<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)  <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>
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Possible Careers: Wildlife and Fisheries Technician, Conservation Officer, Natural Resource Manager, Park Ranger. Preparation for Graduate School in Areas of Zoology, Ichthyology, Herpetology, Wildlife Biology

Guide to this Academic Degree Map
<b>Semester 1:</b>  This Degree Map consists of two pages. Students pursuing a degree in Fisheries and Wildlife will choose one of two emphasis areas: Fisheries or Wildlife. Required courses are listed on the left side of each page, while explanations and guidance on course selection—tailored to each emphasis—are provided on the right side.  Course requirements for the junior-senior years are listed on page 2

Guidelines for course choices for Freshman year:
<b>Semester 2:</b> Note 1: Students must decide prior to their Sophomore year whether they are interested in Ichthyology (Fish), Mammalogy (Mammals), or Ornithology (Birds) and complete the corresponding course. This decision should be made in consultation with your academic advisor and FW faculty

Guidelines for course choices for Sophomore year:
<b>Semester 3:</b> Note 2: Course Selection Based on Emphasis Area Fisheries Emphasis: Take FW 3084- Ichthyology (Fall only) Wildlife Emphasis (Mammals): Take FW 3154- Mammalogy (Fall only) Wildlife Emphasis (Birds): Take Stats Fall semester then Take FW 3144- Ornithology Spring semester (Spring only)

Guidelines for course choices for Sophomore year:
<b>Semester 4:</b> Note 2: Course Selection Based on Emphasis Area Fisheries Emphasis: Take FW 3084- Ichthyology (Fall only) Wildlife Emphasis (Mammals): Take FW 3154- Mammalogy (Fall only) Wildlife Emphasis (Birds): Take Stats Fall semester then Take FW 3144- Ornithology Spring semester (Spring only)

General Electives: 9-12 hours (1000-4000 level) depending on courses chosen from above lists

# indicates a "C" or better is required

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=SOC11013) 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 2003 Introduction to Leadership  <b>Communication Courses</b> COMM 1003 Intro to Speech Comm COMM 2003 Public Speaking COMM 2173 Business and Professional Speaking

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### Sample Schedule

Semester 5	Hrs.	Grade	Semester 5
BIOL 4044- Dendrology or Electives	4		See Note 3
Statistics or Math Elective			
STAT options: FW 3171, STAT 2304, 3113, or 4153			
MATH options: MATH 2243, 2914, 2924, or 2934	3-4		
FW 4014/4064- Forest/Wetland Ecology Mgmt (or Electives)	4		See Note 4
General Elective	3		
Total hours	14-15	GPA	Junior Milestone: Complete an internship or field-related experience

Semester 6	Hrs.		Semester 6
Fine Arts & Humanities	3		
BIOL 3004- Plant Taxonomy or Electives	4		See Note 5
FW 3053- Fisheries and Wildlife Administration	3		
FW 4003- Principles of Wildlife Management	3		See Note 6
Elective	4		BIOL 4024 - Limnology Recommended
Total hours	17	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.		Semester 7
FW 4103- Human Dimensions of Fisheries & Wildlife Mgmt.	3		Senior Milestone: Complete a senior check-in with Career Services
General Elective	3		
General Elective	3		
BIOL Elective (3000-4000 level)	3		See note 7
BIOL Elective (3000-4000 level)	3		See note 7
Total hours	15	GPA	

Semester 8	Hrs.		Semester 8
Fine Arts & Humanities	3		
FW 4001- Senior Seminar in Fisheries and Wildlife Biology	1		
FW 4013- Wildlife Techniques	3		
FW 4083- Principles of Fisheries Management	3		
Physical Science Elective (3000-4000 level)	3		See Note 8
General Elective	2		
Total Hours	15	GPA	

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Guidelines for course choices:
<b>Semester 5:</b>
Note 3: Course Requirement by Emphasis Area
Wildlife students: Take BIOL 4044- Dendrology (Fall only) or choose a suitable elective
Fisheries students: Choose either BIOL 3004- Plant Taxonomy or BIOL 4044: Dendrology
Note 4: Upper-Division Coursework
Wildlife students: Select either FW 4014- Forest Ecology or FW 4064- Wetlands
Fisheries students: Select two general electives

Guidelines for course choices:
<b>Semester 6:</b>
Note 5: Course Requirement by Emphasis Area
Wildlife students: Take BIOL 3004- Plant Taxonomy (Spring only) or choose a suitable elective
Fisheries students: Choose either BIOL 3004- Plant Taxonomy or BIOL 4044- Dendrology
Note 6: Additional Fisheries Requirement
Fisheries students: Take FW 4024- Limnology (Spring only)
<b>Students must take Dendrology or Plant Taxonomy during their Junior Year</b>

Guidelines for elective choices: <b>Must meet all elective criterion</b>
<b>Semester 7:</b>
Note 7: Must include at least two courses from the biology group: BIOL 3174: Physiological Ecology, BIOL 3033: Bioinformatics, BIOL 3034: Genetics, BIOL 4043: Conservation Genetics, BIOL 4064: Evolutionary Biology, BIOL 3064: Parasitology, AGPM 3104: Entomology, BIOL 3184: Animal Behavior, BIOL 3004: Plant Taxonomy, BIOL 4044: Dendrology or BIOL 4094: Coastal Ecology

Guidelines for elective choices: <b>Must meet all elective criterion</b>	
<b>Semester 8:</b>	
Note 8: Select one course from the physical science group (intro course excluded): Any physics course, AGSS 2014: Soils, or GEOL 1014: Physical Geology	
Graduation Requirements:	
Min. hours 3000-4000 level courses: 40	2.00+ GPA
No more than 4 PE activity hours	No more than 12 hours of "D" grades
Min. hours required:120	Select three 3000-4000 level General Electives from FW courses

General Electives: 4-10 hours (1000-4000 level)

# indicates a "C" or better is required