

2023-2024 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 <http://www.atu.edu/catalog/>

Employment Information: Soil and Water Conservationist, Range Manager, Park Naturalist, Forestry and Conservation Science Teacher, Fish and Game Warden, Zoologist and Wildlife Biologist, Conservation Scientist, Wildlife Control Agent

#Prerequisite Courses: ENGL 0303 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1110 _____ MATH 1113 _____ MATH 1203 _____ MATH 1914 _____

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	#	Milestone
FW 1001- Orientation to Fisheries and Wildlife Science	1		
BIOL 1114- Principles of Biology (ACTS= BIOL1014)	4		Milestones
Total hours	14	GPA	

Semester 2	Hrs.	Grade	Semester 2
ENGL 1023- Comp II (ACTS= ENGL1023)	3	#	
U.S. History & Government	3		
CHEM 1113/1111 Survey of Chemistry/Lab (ACTS-CHEM 1214) OR CHEM 2124/2120 General Chemistry I/Lab	4		CHEM 2124 - (ACTS=CHEM1414)
BIOL 2124- Principles of Zoology (ACTS= BIOL1054)	4		Milestone
Total hours	14	GPA	

Semester 3	Hrs.	Grade	Semester 3
FW 2013- Natural Resources Communications	3		
BIOL 2134- Principles of Botany (ACTS= BIOL 1034)	4		
CHEM 2204- Organic Physio. Chem.	4		ACTS: CHEM1224 = ATU: CHEM2204
Statistics or FW 3084- Ichthyology OR FW 3154- Mammalogy	3-4		See Note 2
(Statistics may be chosen from PSY, SOC, STAT, or BUAD)			
Total hours	14-15	GPA	

Semester 4	Hrs.	Grade	Semester 4
FW/GEOG 2833- Intro. to Geographic Information Systems	3		
Statistics or FW 3144- Ornithology	3-4		See Note 2
ECON 2003- Principles of Macroeconomics (ACTS=ECON2103)	3		
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/>

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)	Communication Courses
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	COMM 1003 Intro to Speech Comm
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	COMM 2003 Public Speaking
1013 from SPAN, FR, GER, JPN, CHIN, or LAT	COMM 2173 Business and Professional Speaking
1023 from SPAN, FR, GER, JPN, CHIN, or LAT	
LEAD 2003 Ethics in Leadership	

Guide to this Academic Degree Map
This Degree Map consists of two pages. The required courses are listed on the left side of the page. Explanations and guidance on how courses should be selected are listed on the right side of the map alongside the corresponding semester.
Course requirements for the junior-senior years are listed on page 2.

Guidelines for course choices:
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:
Semester 3:
Note 2: If primary interest is <u>Fisheries</u> , select FW3084: Ichthyology (offered Fall only) or if primary interest is <u>Wildlife/Mammals</u> , select FW 3154: Mammalogy (offered Fall only) or if primary interest is <u>Wildlife/Birds</u> , must take Statistics in fall semester. and in spring semester, take FW 3144, Ornithology (offered spring only).
Semester 4:
Note 2: If primary interest is <u>Fisheries</u> , select FW3084: Ichthyology (offered Fall only) or if primary interest is <u>Wildlife/Mammals</u> , select FW 3154: Mammalogy (offered Fall only) or if primary interest is <u>Wildlife/Birds</u> , must take Statistics in fall semester. and in spring semester, take FW 3144, Ornithology (offered 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)	ANTH 1213 Intro. to Anthropology (ACTS=ANTH1013)
HIST 1513 World History since 1500 (ACTS=HIST1123)	ANTH 2003 Cultural Anthropology (ACTS=ANTH2013)
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)	GEOG 2013 Regional Geography of the World (ACTS=GEOG2103)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)	AMST 2003 American Studies
HIST 1903 Survey of American History	FIN 2013 Personal Finance
POLS 2003 American Government (ACTS=PLSC2003)	LEAD 1003 Introduction to Leadership
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)	

University Honors students should consult Course Catalog for appropriate Fine Arts/Humanities, US History/Government and Social Science options for University Honors Curriculum.

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Possible careers include: Soil and Water Conservationist, Range Manager, Park Naturalist, Forestry and Conservation Science Teacher, Fish and Game Warden, Zoologist and Wildlife Biologist, Conservation Scientist, Wildlife Control Agent

#Prerequisite Courses: ENGL 0303 _____ MATH 0803 _____ MATH 1003 _____ MATH 0903 _____ MATH 1110 _____ MATH 1113 _____ MATH 1203 _____ MATH 1914 _____

Sample Schedule
Milestones/Notes

Semester 5	Hrs.	Grade	Semester 5
BIOL 4044- Dendrology or Electives	4		See Note 3
FW 3173- Biostatistics OR MATH 2914- Calculus	3		
FW 4014/4064- Forest/Wetland Ecology Mgmt (or Electives)	4		See Note 4
General Elective	3		
Total hours	14	GPA	

Semester 6	Hrs.	Grade	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
FW 4024- Limnology or Electives	4		
Total hours	17	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Semester 7
FW 4043- Fisheries Techniques [*] or Electives	3		
FW 4103- Human Dimensions of Fisheries & Wildlife Mgmt.	3		
General Elective	3		
BIOL Elective (3000-4000 level) ①	3		
BIOL Elective (3000-4000 level) ①	3		
Total hours	15	GPA	

Semester 8	Hrs.	Grade	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
FW 4001- Senior Seminar in Fisheries and Wildlife Biology	1		
FW 4013- Wildlife Techniques ^w or Electives	3		
FW 4083- Principles of Fisheries Management	3		
Physical Science Elective (3000-4000 level) ②	3		
General Elective	2		
Total Hours	15	GPA	

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Communication Courses	
COMM 1003 Intro to Speech Comm COMM 2003 Public Speaking COMM 2173 Business and Professional Speaking	

Guidelines for course choices:
Semester 5: Note 3: If student is a wildlife student, select BIOL 4044: Dendrology (Fall only) or elective. Fisheries students choose either BIOL 3004: Plant Taxonomy or BIOL 4044: Dendrology Note 4: If student is a wildlife student, select either FW4014:Forest Ecology or FW4064:Wetlands If student is a fisheries student, select two general electives Students must take Dendrology or Plant Taxonomy in their Junior Year For Semester 5 & 6: Consult FW advisor to make decisions on courses
Semester 6: Note 5: If student is a wildlife student, select BIOL 3004: Plant Taxonomy (Spring only) or elective Fisheries students choose either BIOL 3004: Plant Taxonomy or BIOL 4044: Dendrology Note 6: If student is a fisheries student, select FW4024: Limnology (Spring only) Students must take Dendrology or Plant Taxonomy in their Junior Year For Semester 5 & 6: Consult FW advisor to make decisions on courses

Guidelines for elective choices: Must meet all elective criterion
① 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.
② Select one course from the physical science group (intro. course excluded): Any physics course, AGSS 2014: Soils, or GEOL 1014: Physical Geology.
③ Students select three 3000-4000 level General Electives from fisheries and wildlife courses.

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

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