

**2019-2020 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 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ 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	#	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) <b>OR</b> 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
Communication	3		COMM 2003 or 2173 recommended
BIOL 2134- Principles of Botany (ACTS= BIOL 1034)	4		
CHEM 2204- Organic Physio. Chem. <b>OR</b> 3254- Org. 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 Economics I (ACTS=ECON2103)	3		
FW 3114- Principles of Ecology	4		
FW 2013- Natural Resources Communications	3		
Total hours	16-17	GPA	<b>FW ADVISOR ASSIGNED</b>

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 since 1877 (ACTS=HIST2123)
JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2183 Honors Introduction to Film	
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	<b>Communication Courses</b>
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 1003 Intro to Speech Comm
ENGL 2023 Honors World Literature	COMM 2003 Public Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	COMM 2173 Business and Professional Speaking
PHIL 2043 Honors Introduction to Philosophy	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

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:
<b>Semester 3:</b>
<b>Note 2:</b> If primary interest is <u>Fisheries</u> , select FW3084: Ichthyology (offered Fall only) <u>or</u> if primary interest is <u>Wildlife/Mammals</u> , select FW 3154: Mammalogy (offered Fall only) <u>or</u> 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).
<b>Semester 4:</b>
<b>Note 2:</b> If primary interest is <u>Fisheries</u> , select FW3084: Ichthyology (offered Fall only) <u>or</u> if primary interest is <u>Wildlife/Mammals</u> , select FW 3154: Mammalogy (offered Fall only) <u>or</u> 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)	ECON 2013 Principles of Economics II (ACTS=ECON2203)
HIST 1513 World History since 1500 (ACTS=HIST1123)	SOC 1003 Introductory Sociology (ACTS=SOCI1013)
HIST 1543 Honors World History 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	

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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 \_\_\_\_\_ ENGL 0404 \_\_\_\_\_ READ 0103 \_\_\_\_\_ MATH 0803 \_\_\_\_\_ MATH 1003 \_\_\_\_\_ MATH 0903 \_\_\_\_\_ MATH 0900 \_\_\_\_\_ MATH 1110 \_\_\_\_\_

**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		
FW 4024- Limnology or Electives	4		See Note 5
FW 3053- Fisheries and Wildlife Administration	3		
BIOL 3004- Plant Taxonomy or Electives	4		See Note 6
General Elective	3		
Total hours	17	GPA	<b>APPLY FOR GRADUATION</b>

Semester 7	Hrs.	Grade	Semester 7
FW 4013 or FW 4043- Wildlife or Fisheries Techniques	3		
FW 4103- Human Dimensions of Fisheries & Wildlife Mgmt.	3		
General Elective	3		
FW Elective (3000-4000 level)	3		
FW Elective (3000-4000 level)	3		
Total hours	15	GPA	

Semester 8	Hrs.	Grade	Semester 8
Fine Arts & Humanities	3		<b>Graduation Requirements:</b> 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 4003- Principles of Wildlife Management	3		
FW 4083- Principles of Fisheries Management	3		
FW Elective (3000-4000 level)	3		
General Elective	2		
Total Hours	15	GPA	

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JOUR 2173 Introduction to Film	POLS 2003 American Government (ACTS=PLSC2003)
ENGL 2003 Introduction to World Literature (ACTS=ENGL2113)	<b>Communication Courses</b>
ENGL 2013 Intro. to American Literature (ACTS=ENGL2653)	COMM 1003 Intro to Speech Comm
ENGL 2023 Honors World Literature	COMM 2003 Public Speaking
PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103)	COMM 2173 Business and Professional Speaking
PHIL 2043 Honors Introduction to Philosophy	
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)	

**Guidelines for course choices:**
**Semester 5:**

Note 3: If student is a wildlife student, select BIOL 4044: Dendrology (Fall only) or elective

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 fisheries student, select FW4024: Limnology (Spring only)

Note 6: If student is a wildlife student, select BIOL 3004: Plant Taxonomy (Spring only) or elective

**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 3034: 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** Wildlife students select one and Fisheries students select two courses from the physical science group (intro. course excluded): Any physics course, AGSS 2014: Soils, GEOL 1014: Physical Geology or GEOL 3083: Hydrology.

**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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	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=SOC1013)
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)
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