

**2013-2014 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/academics/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**

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

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

Semester 1	Hrs.	Grade	Semester 1
#ENGL 1013: Comp I (ACTS=ENGL 1013)	3		
Social Science: SOC or PSY recommended	3		
#MATH 1113: College Algebra (ACTS= MATH 1103)	3		Milestone
FW1001: Orientation to Fisheries and Wildlife Science	1		
BIOL1114: Principles of Biology (ACTS= BIOL 1014)	4		Milestones
Total hours	14	GPA	

Semester 2	Hrs.	Grade	Semester 2
#ENGL 1023: Comp II (ACTS= ENGL 1023)	3		
Speech	3		SPH 2003 or 2173 recommended
CHEM 1113&1111(ACTS=CHEM 1214) or CHEM 2124	4		CHEM 2124(ACTS: CHEM 1414)
BIOL 2124: Principles of Zoology (ACTS= BIOL 1054)	4		Milestone
Total hours	14	GPA	

Semester 3	Hrs.	Grade	Semester 3
U.S. History & Government	3		
BIOL 2134: Principles of Botany (ACTS= BIOL 1034)	4		
CHEM2204 or 3254: Organic Physio. Chem. or Org. Chem.	4		ACTS: CHEM1224 = ATU CHEM2204
Statistics or FW3084 Ichthyology or FW3154 Mammalogy	3-4		See Note 2
(Statistics may be chosen from PSY, SOC, MATH, or BUAD)			
Total hours	14-15	GPA	

Semester 4	Hrs.	Grade	Semester 4
FW2013: Natural Resources Communications	3		
Statistics or FW 3144-Ornithology	3-4		See Note 2
ECON 2003: Principles of Economics I (ACTS=ECON2103)	3		
FW3114: Principles of Ecology	4		
FW/GEOG2833: Intro. to Geographic Information Systems	3		
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 at <http://acts.adhe.edu/>

<b>Fine Arts and Humanities</b> ART 2123 Experiencing Art (ACTS=ARTA1003) MUS 2003 Introduction to Music (ACTS=MUSC1003) TH 2273 Introduction to Theatre (ACTS=DRAM 1003) ENGL 2173 Introduction to Film JOUR 2173 Introduction to Film ENGL 2003 Introduction to World Literature (ACTS=ENGL2113) ENGL 2013 Intro. to American Literature (ACTS=ENGL2653) ENGL 2023 Honors World Literature PHIL 2003 Introduction to Philosophy (ACTS=PHIL1103) PHIL 2043 Honors Introduction to Philosophy	<b>U.S. History &amp; Government</b> HIST 1903 Survey of American History HIST 2003 U.S. History I (ACTS=HIST2113) HIST 2043 Honors U.S. History I HIST 2013 U.S. History II (ACTS=HIST2123) POLS 2003 American Government (ACTS=PLSC2003) <b>Speech Courses</b> SPH 1003 Intro. to Speech Com. (ACTS=SPCH1003) SPH 2003 Public Speaking SPH 2173 Business and Professional Speaking
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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>  Note 2: If primary interest is Fisheries, select FW3084: Ichthyology (offered fall only) or if primary interest is Wildlife/Mammals, select FW 3154: Mammalogy (offered fall only) or If primary interest is Wildlife/Birds, must take Statistics in fall semester. and in spring semester take FW 3144, Ornithology (offered spring only).  <b>Semester 4:</b>  Note 2: If primary interest is Fisheries, 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: 12 hours 1000-4000 level

# indicates a "C" or better is required

<b>Social Sciences</b> HIST 1503 World Civilization (ACTS=HIST1113) HIST 1513 World Civilization II (ACTS=HIST1123) HIST 1543 Honors World Civilization I HIST 2003 U.S. History I (ACTS=HIST2113) HIST 2013 U.S. HISTORY II (ACTS=HIST2123) HIST 2043 Honors U.S. History I SPH 1003 Survey of American History POLS 2003 American Government (ACTS=PLSC2003) ECON 2003 Principles of Economics I (ACTS=ECON2103) ECON 2103 Honors Principles of Economics I	ECON 2013 Principles of Economics II (ACTS=ECON2203) SOC 1003 Introductory Sociology (ACTS=SOC1013) 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
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## 8-Semester Guaranteed Program

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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**

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

**Sample Schedule**

Semester 5	Hrs.	Grade	Milestones/Notes	Semester 5
BIOL 4044 (Dendrology) or Electives	4			See Note 3
FW 3173 (Biostatistics) or 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
FW3053: Fisheries and Wildlife Administration	3		
BIOL 3004 (Plant Taxonomy) or Electives	4		See Note 6
General Elective	3		
Total hours	17	GPA	APPLY FOR GRADUATION

Semester 7	Hrs.	Grade	Semester 7
FW 4013 or FW 4043: Wildlife or Fisheries Techniques	3		
FW4103: 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		
FW4001: Senior Seminar in Fisheries and Wildlife Biology	1		
FW4003: Principles of Wildlife Management	3		
FW4083: Principles of Fisheries Management	3		
FW Elective (3000-4000 level)	3		
General Elective	2		
Total Hours	15	GPA	

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**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: 11 hours 1000-4000 level

# indicates a "C" or better is required

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