ATU™ ARKANSAS TECH UNIVERSITY

NAME:_____   T#:_____   DATE:_____

8-Semester Guaranteed Program

Rev. 10/14/2022

2022-2023 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	

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 requiements for the junior-senior years are listed on page 2.

Semester 2	Hrs.		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	

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.

Semester 3	Hrs.		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	

Guidelines for course choices for Sophomore year:
Semester 3:

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).

Semester 4	Hrs.		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		
Communication	3		COMM 2003 or 2173 recommended
Total hours	16-17	GPA	**FW ADVISOR ASSIGNED**

Semester 4:

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).

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 https://www.adhe.edu/students-parents/colleges-universites/transfer-info.-for-students/

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

# indicates a "C" or better is required

Fine Arts and Humanities
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 2183 Honors 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
PHIL 2053 Introduction to Critical Thinking (ACTS=PHIL 1003)

U.S. History & Government
HIST 1903 Survey of American History
HIST 2003 United States History to 1877 (ACTS=HIST2113)
HIST 2043 Honors United States History to 1877
HIST 2013 United States History since 1877 (ACTS=HIST2123)
POLS 2003 American Government (ACTS=PLSC2003)

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

HIST 1503 World History to 1500 (ACTS=HIST1113)
HIST 1513 World History since 1500 (ACTS=HIST1123)
HIST 1543 Honors World History to 1500
HIST 2003 U.S. History to 1877 (ACTS=HIST2113)
HIST 2013 U.S. History since 1877 (ACTS=HIST2123)
HIST 2043 Honors U.S. History to 1877
HIST 1903 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

Social Sciences
ECON 2013 Principles of Economics II (ACTS=ECON2203)
SOC 1003 Introductory Sociology (ACTS=SOCI1013)
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 1003 Introduction to Leadership

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2022-2023 Degree Map-Bachelor of Science in Fisheries and Wildlife Science -- Page 2 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/.

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

Semester 8	**Hrs.**		**Semester 8**
			Graduation Requirements:
Fine Arts & Humanities	3		
FW 4001- Senior Seminar in Fisheries and Wildlife Biology	1		Min. hours 3000-4000 level courses: 40
FW 4013- Wildlife Techniques[W] or Electives	3		No more than 4 PE activity hours
FW 4083- Principles of Fisheries Management	3		Min. hours required:120
Physical Science Elective (3000-4000 level) ❷	3		2.00+ GPA
General Elective	2		No more than 12 hours of "D" grades
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. 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**

❶ 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.

❷ Select one course from the physical science group (intro. course excluded): Any physics course, AGSS 2014: Soils, or GEOL 1014: Physical Geology.

❸ 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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