**2+2 Degree Plan**
**Associate of Science Liberal Arts and Science- ASU Beebe**
**Bachelor of Science – ATU**
**Options: Wildlife or Fisheries**

**ASU Beebe (60 credit hours)**

General Education Core – 35 hours

| University Requirement (1-3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| UNIV | 1001 | Principles of Academic Success I* | Elective Credit | 1 |
| UNIV | 1003 | Principles of Academic Success II | Elective Credit | 3 |

*Students enrolled in remedial courses are not eligible for this course.

| ENGLlish/Communications (9 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| ENGL | 10103 | Freshman English I *(Grade C or better)* | ENGLL 1013 Composition I | 3 |
| ENGL | 10203 | Freshman English II *(Grade C or better)* | ENGLL 1023 Composition II | 3 |
| SPCH | 10003 | Oral Communication | COMM 2003 Public Speaking | 3 |

| Math (3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| MATH | 10203 | College Algebra* *(Grade C or better)* | MATH 1113 College Algebra | 3 |

***required to satisfy fisheries and wildlife degree requirements at ATU.**

| U.S. History/Government (3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| PLSC | 20003 | Introduction to U. S. Government *or* | POLS 2003 American Government | 3 |
| HIST | 21103 | The United States to 1876 *or* | HIST 2003 U. S. History to 1877 | |
| HIST | 21203 | The United States since 1876 | HIST 2013 U.S. History since 1877 | |

| World History (3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| HIST | 11103 | World Civilization to 1660 *or* | HIST 1503 World History to 1500 | 3 |
| HIST | 11203 | World Civilization since 1660 | HIST 1513 World History since 1500 | |

| Fine Arts (3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| ART | 10003 | Fine Arts – Visual *or* | ART 2123 Experiencing Art | 3 |
| MUSC | 25003 | Fine Arts – Musical *or* | MUS 2003 Introduction to Music | |
| THTR | 25003 | Fine Arts – Theatre *or* | TH 2273 Introduction to Music | |
| THTR | 25103 | Fine Arts – Film *or* | GEFA 2XXX Gen. Ed. Fine Arts Credit | |
| HUMN | 20003 | Intro. to Humanities I: Greece and | GEHM 2XXX Gen. Ed. Humanities Credit | |
| HUMN | 20203 | Rome *or* | GEHM 2XXX Gen. Ed. Humanities Credit | |
| | | Intro. to Humanities II: Europe | | |

| Literature (3 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| ENGL | 21103 | World Literature I *or* | ENGLL 2003 Intro. to World Literature | 3 |
| ENGL | 21203 | World Literature II *or* | GEHM 2xxx Gen. Ed. Humanities Credit | |
| PHIL | 11003 | Introduction to Philosophy | PHIL 2003 Introduction to Philosophy | |

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| Social Sciences (3 hours) | | | ATU equivalent[1] | Hours |
|---|---|---|---|---|
| | | Social Sciences Elective[1]<br>*Select one course not already taken from the departments below:*<br>HIST, SOC, POSC, ECON, PSY, or GEOG | SS 1XXX Social Science Course | 3 |

| Physical and Life Science (8 hours) | | | ATU equivalent | Hours |
|---|---|---|---|---|
| BIOL | 1014 | Principles of Biology | BIOL 1114 Principles of Biology | 4 |
| CHEM | 1014 | General Chemistry I | CHEM 2124 General Chemistry I and<br>CHEM 2120 General Chemistry I Lab | 4 |

| Directed Courses | | | ATU equivalent | Hours |
|---|---|---|---|---|
| ECON | 2313 | Principles of Macroeconomics | ECON 2003 Principles of Macroeconomics | 3 |
| ZOOL | 1204 | Principles of Zoology | BIOL 2124 Principles of Zoology | 4 |
| BIOL | 1104 | General Botany | BIOL 2134 Principles of Botany | 4 |
| MATH | 2233 | Applied Statistics | STAT 2163 Introduction to Statistical Methods | 3 |
| GEOG | 1233 | Intro. To Geographic Information Systems | GEOG 2833 Introduction to Geographic Information Systems | 3 |
| | | Directed Elective* | Elective | 8 |

**Arkansas Tech University Courses (60 credit hours)**

| | | **Wildlife Option** | |
|---|---|---|---|
| BIOL | 1011 | Orientation to Fisheries and Wildlife | 1 |
| FW | 2013 | Natural Resources Communication | 3 |
| CHEM | 2204 | Organic Physiological Chemistry | 4 |
| FW | 3114 | Principles of Ecology | 4 |
| FW | 3154 | Statistics[2] or<br>Mammalogy[3] | 4 |
| FW | 3144 | Ornithology[3] | 4 |
| FW<br>FW | 4014<br>4064 | Forest Ecology and Management[3] *or*<br>Wetland Ecology and Management[3] | 4 |
| BIOL | 3004 | Plant Taxonomy[3] *or* Elective[3] | 4 |
| FW | 3053 | Fisheries and Wildlife Administration | 3 |
| FW | 4003 | Principles of Wildlife Management | 3 |
| FW | 4103 | Human Dimensions of Fisheries and Wildlife Management[6] | 3 |
| FW | 4001 | Senior Seminar in Fisheries and Wildlife Biology[6] | 1 |
| FW | 4013 | Wildlife Techniques[6] | 3 |
| FW | 4083 | Principles of Fisheries Management[6] | 3 |
| BIOL | 4044 | Dendrology | 4 |
| | | Statistics or Math | 3 |
| | | Electives | 9 |
| | | **Fisheries Option** | |
| BIOL | 1011 | Orientation to Fisheries and Wildlife | 1 |
| FW | 2013 | Natural Resources Communication | 3 |
| CHEM | 2204 | Organic Physiological Chemistry | 4 |
| FW | 3084 | Ichthyology[3] | 4 |
| FW | 3114 | Principles of Ecology | 4 |

| | | | |
|---|---|---|---|
| BIOL | 4044 | Dendrology | 4 |
| | | *Select one of the following:* | |
| | | Statistics[2] or<br>Math[5] | 3 |
| BIOL | 3004 | Plant Taxonomy[3] | 4 |
| FW | 3053 | Fisheries and Wildlife Administration | 3 |
| FW | 4003 | Principles of Wildlife Management | 3 |
| FW | 4024 | Limnology[3] | 4 |
| FW | 4043 | Fisheries Techniques[3,6] | 3 |
| FW | 4103 | Human Dimensions of Fisheries and Wildlife Management[6] | 3 |
| FW | 4001 | Senior Seminar in Fisheries and Wildlife Biology[6] | 1 |
| FW | 4083 | Principles of Fisheries Management[6] | 3 |
| | | Electives[4,6] | 13 |

[1]See appropriate alternatives or substitutions in "General Education Requirements". One of the social sciences must be ECON 2003 Principles of Macroeconomics.

[2] Statistics must be taken either fall or spring term.

[3] Choose one course from each of the following course sequences:
(1) FW 3154 Mammalogy or FW 3144 Ornithology (2) FW 4014 Forest Ecology and Management or FW 4064 Wetland Ecology and Management.

[4] Must include at least two courses from the biology group (BIOL 3174 Physiological Ecology, BIOL 3034 Genetics, BIOL 4064 Evolutionary Biology, BIOL 3064 Parasitology, BIOL 3104 Introduction to Entomology or AGPM 3104 Introduction to Entomology, BIOL 3184 Animal Behavior, BIOL 3004 Plant Taxonomy, BIOL 3033 Bioinformatics, BIOL 4043 Conservation Genetics, BIOL 4044 Dendrology, BIOL 4094 Coastal Ecology) one course from the physical science group elective (any physics course, AGSS 2014 Soils, GEOL 1014 Physical Geology), and three 3000-4000 level fisheries and wildlife elective courses. Sufficient additional electives to produce 120 total credit hours are required for graduation.

[5]Must include one of the following courses: FW 3173 Biostatistics, MATH 2243 Calculus for Business and Economics, MATH 2914 Calculus I, MATH 2924 Calculus II,MATH 2934 Calculus III, STAT 2304 Programming Languages for Data Science, STAT 3113 Regression Analysis, STAT 4153 Experimental Design and Analysis.

[6]This program partners the Bachelor of Science (BS) in Fisheries and Wildlife and the Master of Science (MS) Fisheries and Wildlife. Students in this accelerated program can substitute up to 12 hours graduate level credit hours fisheries and wildlife courses from the following: Four (4) FW 5000 or 6000-level courses can be used to replace undergraduate fisheries and wildlife required or elective requirements.