

# WILDLIFE AND FISHERIES SCIENCES - BS, VERTEBRATE ZOOLOGY OPTION

## Program Requirements

### First Year

| Fall                           |  | Semester | Credit |
|--------------------------------|--|----------|--------|
|                                |  | Hours    | Hours  |
| BIOL 111                       | Introductory Biology I                       | 4        |        |
| MATH 140                       | Mathematics for Business and Social Sciences | 3        |        |
| RENr 205                       | Fundamentals of Ecology                      | 3        |        |
| WFSC 101                       | Introduction to Wildlife and Fisheries       | 3        |        |
| Directed elective <sup>1</sup> |  | 2        |        |
| Semester Credit Hours          |  |          | 15     |

### Spring

|   |                             |   |    |
|---|-----------------------------|---|----|
| BIOL 112  | Introductory Biology II     | 4 |    |
| CHEM 119  | Fundamentals of Chemistry I | 4 |    |
| MATH 142  | Business Calculus           | 3 |    |
| American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>2</sup>                                   |                             | 3 |    |
| Social and behavioral sciences ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#social-behavioral-sciences</a> ) <sup>2</sup> |                             | 3 |    |
| Semester Credit Hours   |                             |   | 17 |

### Second Year

| Fall  |                                    | Semester | Credit |
|---|------------------------------------|----------|--------|
|   |                                    | Hours    | Hours  |
| CHEM 120  | Fundamentals of Chemistry II       | 4        |        |
| STAT 302  | Statistical Methods                | 3        |        |
| WFSC 302  | Natural History of the Vertebrates | 3        |        |
| American history ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#american-history</a> ) <sup>2</sup>                                       |                                    | 3        |        |
| Language, philosophy and culture ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#language-philosophy-culture</a> ) <sup>2</sup> |                                    | 3        |        |
| Semester Credit Hours   |                                    |          | 16     |

### Spring

|   |  |   |    |
|---|--|---|----|
| CHEM 227 & CHEM 237   | Organic Chemistry I and Organic Chemistry Laboratory | 4 |    |
| ENGL 104  | Composition and Rhetoric                             | 3 |    |
| PHYS 201  | College Physics                                      | 4 |    |
| Government/Political science ( <a href="http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science">http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science</a> ) <sup>2</sup> |  | 3 |    |
| Semester Credit Hours   |  |   | 14 |

### Third Year

| Fall                |   | Semester | Credit |
|---------------------|---|----------|--------|
|                     |   | Hours    | Hours  |
| CHEM 228 & CHEM 238 | Organic Chemistry II and Organic Chemistry Laboratory | 4        |        |

Select one of the following: 3-4

|          |                                      |  |  |
|----------|--------------------------------------|--|--|
| BIOL 388 | Principles of Animal Physiology      |  |  |
| VTPP 423 | Biomedical Physiology I              |  |  |
| WFSC 335 | Natural History of the Invertebrates |  |  |

Creative arts (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#creative-arts>)<sup>2</sup> 3

Government/Political science (<http://catalog.tamu.edu/undergraduate/general-information/university-core-curriculum/#government-political-science>)<sup>2</sup> 3

Directed elective<sup>1</sup> 1

Semester Credit Hours 15

### Spring

BICH 303 or BICH 410 Elements of Biological Chemistry or Comprehensive Biochemistry I 3

COMM 203 Public Speaking 3

Biodiversity elective<sup>3</sup> 3

Directed elective<sup>1</sup> 4

Directed elective<sup>1</sup> 3

Semester Credit Hours 16

### Fourth Year

#### Fall

ENGL 210 Technical and Professional Writing 3

GENE 301 Comprehensive Genetics 3

RENr 215 Fundamentals of Ecology-Laboratory 1

Select one of the following: 3

WFSC 300/ ENTO 300 Field Studies

WFSC 484 Internship

WFSC 485 Directed Studies

WFSC 491 Research

Biodiversity elective<sup>3</sup> 3

Semester Credit Hours 13

#### Spring

PHYS 202 College Physics 4

WFSC 304 Wildlife and Fisheries Conservation 3

Directed elective<sup>1</sup> 4

Directed elective<sup>1</sup> 3

Semester Credit Hours 14

Total Semester Credit Hours 120

<sup>1</sup> Directed electives to be chosen to meet prerequisite requirements for admission to professional schools.

<sup>2</sup> Graduation requirements include a requirement for 3 hours of International and Cultural Diversity (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/international-cultural-diversity-requirements/>) courses and 3 hours of Cultural Discourse (<http://catalog.tamu.edu/undergraduate/general-information/degree-information/cultural-discourse-requirements/>) courses. A course satisfying a Core category, a college/department requirement, or a free elective can be used to satisfy this requirement.

<sup>3</sup> Select from ENTO 201; WFSC 311, WFSC 315, WFSC 401, WFSC 402.

2 Wildlife and Fisheries Sciences - BS, Vertebrate Zoology Option

Students are required to make a C or better in all WFSC and RENR 205/RENR 215 courses.

A total of 120 semester hours will be required for a BS degree.