



**Degree Plan for  
Bachelor of Science Degree in Biology, Wildlife and Field Biology Option**

**Highly Recommended Courses:**

BIO 1013 Introduction to Biology (majors section)

**Biology Core Courses (16 hrs):**

BIO 2104 General Botany

BIO 2114 General Zoology

BIO 3054 Genetics

BIO 3524 General Ecology

**Organismal Courses — Choose 3 of the following – must include one animal and one plant course (9-10 hrs):**

BIO 3294 Plant Taxonomy

BIO 3403 Herpetology

BIO 4073 Dendrology

BIO 4163 Entomology

BIO 4033 Ornithology

BIO 4353 Mammalogy

BIO 4413 Ichthyology

**Field Ecology — Choose 1 of the following (3-4 hrs):**

BIO 3094 Microbiology

BIO 3493 Biogeography

BIO 4343 Phycology

BIO 4503 Behavioral Ecology

BIO 4044 Neotropical Ecology

BIO 4203 Aquatic Ecology

BIO 4324 Tropical Marine Biology

**Organismal Anatomy — Choose 1 of the following (4 hrs):**

BIO 3244 Comparative Morphology and Evolution of Plants

BIO 3084 Comparative Anatomy and Evolution of Vertebrates

**Electives — Choose 3 of the following if not used above to fill another requirement (9-12 hrs):**

BIO 3294 Plant Taxonomy

BIO 4343 Phycology

BIO 3403 Herpetology

BIO 3094 Microbiology

BIO 3493 Biogeography  
BIO 3244 Comparative Morphology and Evolution of Plants  
BIO 3084 Comparative Anatomy and Evolution of Vertebrates  
BIO 3544, 3554 Human A&P (both required to count as 1  
elective)  
BIO 3304 Plant Physiology  
BIO 3314 Animal Physiology  
BIO 4073 Dendrology  
BIO 4163 Entomology  
BIO 4033 Ornithology  
BIO 4353 Mammalogy  
BIO 4413 Ichthyology  
BIO 4343 Phycology  
BIO 4503 Behavioral Ecology  
BIO 4044 Neotropical Ecology  
BIO 4203 Aquatic Ecology  
BIO 4324 Tropical Marine Biology

Additional requirements:

**Chemical Sciences (8 hrs):**

CHM 1034 General Chemistry for Non-Majors  
CHM 1044 General Organic and Biochemistry

Note: other higher level CHM course(s) accepted

**Physics and Quantitative Sciences (12-14 hrs):**

MTH 1243 College Algebra or MTH 1273 Pre-calculus Mathematics  
STA 2323 Statistical Methods

And choose 2 additional courses from MTH (higher than MTH 1243), STA (higher than STA 2323),  
PHY (physics), or PHS (physical science)

Total hours required for a major in biology, wildlife and field biology option:.....61-68

Biology Courses: 41-46 hours

Physical Science and Mathematics Courses: 20-22 hours

Students must have a "C" grade or better in all courses in the major field and also in the courses listed as  
"additional requirements."

The biology department highly recommends that students achieve competence in the use of computers for  
word processing, graph and spreadsheet construction, and PowerPoint presentations before enrolling in  
upper-level courses. Students should consider enrolling in Introduction to Computers (CSC 2003) if their  
background in computer use is weak.

**DEGREE PLAN**  
**Bachelor of Science in Biology, Wildlife and Field Biology, 2017 version**

**Degree Completion Plan Beginning in Fall Semester**

| Freshman             |          |                            |      | Sophomore              |          |                   |          |
|----------------------|----------|----------------------------|------|------------------------|----------|-------------------|----------|
| Fall                 | Hrs.     | Spring                     | Hrs. | Fall                   | Hrs.     | Spring            | Hrs.     |
| Introduction to Bio. | 3 or 4   | Botany or Zoology          | 4    | Zoology or Botany      | 4        | Biology Core      | 4        |
| Gen Chem. I          | 4        | Coll. Algeb./Pre-cal. Math | 3    | Organismal Course      | 3 or 4   | Organismal Course | 3 or 4   |
| Hender. Seminar      | 1        | Gen Chem. II               | 4    | Mast. West./World Lit. | 3        | Civilization      | 3        |
| English A            | 3        | English B                  | 3    | Social Sci./Elective   | 3        | Humanities        | 3        |
| US His./Am.Nat.Gov.  | 3        |                            |      | Statistical Methods    | 3        | Core Elective     | 3        |
| Life Fitness or PE   | 1        |                            |      |                        |          |                   |          |
| Total Hours          | 15 or 16 | Total Hours                | 14   | Total Hours            | 16 or 17 | Total Hours       | 16 or 17 |

| Junior            |          |                  |          | Senior             |          |                  |         |
|-------------------|----------|------------------|----------|--------------------|----------|------------------|---------|
| Fall              | Hrs.     | Spring           | Hrs.     | Fall               | Hrs.     | Spring           | Hrs.    |
| Organismal Course | 3 or 4   | Biology Core     | 4        | Organismal Anatomy | 4        | Field Ecology    | 3 or 4  |
| Phys./Quan. Sci.  | 4        | Biology Elective | 3 or 4   | Biology Elective   | 3 or 4   | Biology Elective | 3 or 4  |
| Oral Com.         | 3        | Phys./Quan. Sci. | 4        | Non-West. Culture  | 3        | Core Elective    | 4       |
| Core Elective     | 3 or 4   | Core Elective    | 3 or 4   | Writing Course     | 3        |                  |         |
| Total Hours       | 13 to 15 | Total Hours      | 14 to 16 | Total Hours        | 13 or 14 | Total Hours      | 9 to 12 |

120 hours are required for graduation.

Note: Two writing (WI) intensive courses are required.

42 upper-level (junior/senior) hours are required.

At least one WI course must be in biology.

Degree plan includes some optional, but highly recommended courses. Please consult with your departmental advisor for additional details or if you have questions.

Students interested in particular graduate programs should consult closely with their advisors, as requirements may be different.

If students plan on minoring in chemistry, one additional semester of chemistry will be required. See catalog.

Note: Courses may be taken in semesters other than those shown above. Consult with your advisor for alternative scheduling. See information on reverse side of this sheet for a full list of core courses.

- It is the responsibility of the student to be familiar with all degree requirements as listed in the University Catalog.
- Students shall verify that they have completed all the appropriate prerequisites before enrolling in classes.
- Students shall complete an application for graduation prior no later than the semester preceding their anticipated graduation date.

Student signature \_\_\_\_\_ Date \_\_\_\_\_

Advisor signature \_\_\_\_\_ Date \_\_\_\_\_