

**Bachelor of Science Degree in Biology,  
Wildlife and Field Biology Track (option 1)**

**Highly recommended courses:**

BIO 1023 General Biology for Majors  
BIO 1021 Introduction to Biology Laboratory

**Biology core courses (26 hrs):**

BIO 2104 General Botany  
BIO 2114 General Zoology  
BIO 3054 Genetics  
BIO 3524 General Ecology  
BIO 4074 Dendrology  
BIO 4383 Wildlife Biology and Conservation  
BIO 4393 Wildlife Management Techniques

**Organismal courses—Choose TWO of the following – must include at least one animal course (8 hrs):**

BIO 3294 Plant Taxonomy  
BIO 3404 Herpetology  
BIO 4034 Ornithology  
BIO 4164 Entomology  
BIO 4224 Ichthyology  
BIO 4344 Phycology  
BIO 4354 Mammalogy

**Field ecology—Choose ONE of the following (4 hrs):**

BIO 3494 Biogeography  
BIO 4044 Neotropical Ecology  
BIO 4204 Aquatic Ecology  
BIO 4324 Tropical Marine Biology  
BIO 4504 Behavioral Ecology

**Organismal anatomy—Choose ONE of the following (4 hrs):**

BIO 3084 Comparative Anatomy and Evolution  
of Vertebrates  
BIO 3244 Comparative Morphology and  
Evolution of Plants

**Electives—Choose ONE of the following if not used above to fill another requirement (4 hrs):**

BIO 2094 Microbiology  
BIO 3244 Comparative Morphology and  
Evolution of Plants  
BIO 3294 Plant Taxonomy  
BIO 3084 Comparative Anatomy and Evolution  
of Vertebrates

BIO 3304 Plant Physiology  
BIO 3314 Animal Physiology  
BIO 3404 Herpetology  
BIO 3494 Biogeography  
BIO 3544, 3554 Human A&P I and II (both  
required to count as 1  
elective)

BIO 4034 Ornithology  
BIO 4044 Neotropical Ecology  
BIO 4164 Entomology  
BIO 4204 Aquatic Ecology  
BIO 4224 Ichthyology  
BIO 4234 Mycology  
BIO 4324 Tropical Marine Biology  
BIO 4344 Phycology  
BIO 4354 Mammalogy  
BIO 4504 Behavioral Ecology

**Additional science and mathematics requirements:**

CHM 1034 General Chemistry for Non-Majors  
CHM 1044 General Organic and Biochemistry  
Note: other higher level CHM course(s)  
accepted

MTH 1243 College Algebra OR  
MTH 1273 Pre-calculus Mathematics AND  
STA 2053 Applied Biostatistics  
PHS 1053 Earth Systems and the Environment

**And choose ONE additional course from MTH** (higher than MTH 1243), **STA** (higher than STA 2053), **PHY** (physics), or **PHS** (physical science)

**Total hours required for a major in biology, wildlife and field biology**

**track:**.....66-67

Biology Courses: 46 hours  
Physical Science and Mathematics  
Courses: 20-21 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.