

**Bachelor of Science Degree in Biology,
Wildlife and Field Biology Track**

Highly recommended courses:

BIO 1013 Introduction to Biology (majors
section)
BIO 1021 Introduction to Biology Laboratory

Biology core courses (22 hrs):

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

**Organismal courses—Choose THREE of the
following – must include one animal and one
plant course (12 hrs):**

BIO 3294 Plant Taxonomy
BIO 3404 Herpetology
BIO 4074 Dendrology
BIO 4034 Ornithology
BIO 4164 Entomology
BIO 4344 Phycology
BIO 4354 Mammalogy
BIO 4224 Ichthyology

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

BIO 2094 Microbiology
BIO 3494 Biogeography
BIO 4504 Behavioral Ecology
BIO 4044 Neotropical Ecology
BIO 4204 Aquatic Ecology
BIO 4324 Tropical Marine Biology

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

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

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

BIO 3294 Plant Taxonomy
BIO 4344 Phycology
BIO 3404 Herpetology
BIO 2094 Microbiology
BIO 3494 Biogeography
BIO 3244 Comparative Morphology and
Evolution of Plants

BIO 3084 Comparative Anatomy and Evolution
of Vertebrates

BIO 3544, 3554 Human A&P I and II (both
required to count as 1
elective)

BIO 3304 Plant Physiology
BIO 3314 Animal Physiology
BIO 4074 Dendrology
BIO 4164 Entomology
BIO 4034 Ornithology
BIO 4354 Mammalogy
BIO 4224 Ichthyology
BIO 4344 Phycology
BIO 4504 Behavioral Ecology
BIO 4044 Neotropical Ecology
BIO 4204 Aquatic Ecology
BIO 4324 Tropical Marine Biology

**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

STA 2054 Applied Biostatistics or STA 2323
Statistical Methods

And choose 2 additional courses from
MTH (higher than MTH 1243), STA (higher than
STA 2054 or STA 2323), PHY (physics), or PHS
(physical science)

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

track:.....66-69

Biology Courses: 46 hours

Physical Science and Mathematics

Courses: 20-23 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.