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.