Bachelor of Science in Biology
ECOLOGY AND EVOLUTIONARY BIOLOGY CONCENTRATION

Lower-Division Core in Biology (8)
- BIOL 130 (Introductory Cell Biology and Genetics, 4 units)
- BIOL 131 (Diversity and Ecology, 4 units)

Physical Sciences & Mathematics (31)
- CHEM 115A & 115B (General Chemistry, 10 units)
- CHEM 335A & 335B (Organic Chemistry, 6 units)
- MATH 165 (Elementary Applied Statistics, 4 units)
- MATH 161 (Differential and Integral Calculus, 4 units)
- PHYS 210A & 210B (General Physics Lecture, 6 units)
- PHYS 209A (General Physics Lab, 1 unit)

Upper-Division Core in Biology (8)
- BIOL 320 (Evolution and Ecology, an Integrated Approach, 4 units)
- BIOL 321 (Molecular Biology, Cell Biology and Physiology, 4 units)

Organismal/Diversity Requirement (complete ONE of the following) (4)
- BIOL 322 (Invertebrate Biology, 4 units)
- BIOL 323 (Entomology, 4 units)
- BIOL 327 (Vertebrate Biology, 4 units)
- BIOL 329 (Plant Biology, 4 units)
- BIOL 340 (General Bacteriology, 4 units)

Upper-Division Requirements (8)
- BIOL 333 (Ecology, 4 units)
- BIOL 341 (Evolution, 4 units)

Major Electives for Concentration (16)
Choose in consultation with your advisor

Recommended Courses:
- BIOL 335 (Marine Ecology, 4 units)
- BIOL 337 (Behavioral Ecology, 3 units)
- BIOL 338 (Environmental Microbiology and Biotechnology, 4 units)
- BIOL 342 (Molecular Genetics, 4 units)
- BIOL 347 (Environmental Physiology, 4 units)
- BIOL 485 (Biometry, 4 units)

Research Experience: (choose one of the following) (3)
- a. Research Experience in Biology
  - BIOL 490 (3 units)
- b. Honors Thesis (enrollment by application only)
  - BIOL 496A Honors Thesis I – Research Design (1-2 units)
    AND
  - BIOL 496B Honors Thesis II (2-3 units)
- c. Independent Research
  - BIOL 494 (1-3 units)

Total 78
GE (12 units in major) 36
Electives 6
Total Units in Degree 120

Recommended Advisors (in alphabetical order): Lisa Bentley, Dan Crocker, Nick Geist, Derek Girman, Brent Hughes, Sean Place, Nathan Rank, Richard Whitkus, and Mackenzie Zippay.