

B.S. in Biology – Ecology, Evolution, & Organismal Biology Advising Track

The Ecology, Evolution, & Organismal Biology (EEOB) track is a guide for students interested in careers in ecology, evolutionary biology, and/or organismal biology as well as those who may want to pursue advanced degrees (MS, PhD) in these disciplines. EEOB is a broad and often integrative field so there is considerable flexibility to tailor your program based on your interests and goals. It is your responsibility to research the education requirements of potential jobs and graduate programs, and take coursework to meet these requirements. *Italicized courses are required for most graduate programs.*

Biology Core (25 hours)

BISC 130, 131, 132, 133 – Biological Principles & Diversity (8)

BISC 260 – Microbiology (4)

BISC 310 – Genetics (3)

BISC 313 – Ecology (3)

BISC 315 – Cell Biology (3)

BISC 320 – Animal Physiology (3)

BISC 480 – Undergraduate Seminar (1)

Biology Electives (19 hours)

BISC 426 – Evolution (3)

16 additional hours of BISC courses available for majors' credit of which at least 7 (10 total) must be at the 300/400 level. You and your advisor will discuss the courses that will be most beneficial to your career goals.

Science Electives (19 hours)

The following Chemistry courses are recommended and may be required by many graduate programs so make sure you check the specific requirements of programs to which you plan to apply in order to ensure you will meet their requirements:

CHEM 250, 251, 252, 253, 254 – Organic Chemistry (8)

You may choose additional hours of any BISC course available for majors' credit and any courses listed on the Approved Science Electives sheet. You and your advisor will discuss the courses that will be most beneficial to your career goals. EEOB students are likely to find courses of interest in ANSC, ENSC, FOR, GISC, PLSC, and WILD, and may consider a minor in Environmental Science, Wildlife Habitat Management, Geographic Information Systems, Forestry, or Plant Science.

You are also strongly encouraged to gain research experience under the mentorship of a faculty member for which you may be able to receive Biology elective credit by enrolling in BISC 360; consult your advisor about this.