

The Evolution & Ecology Major Program

Required Supportive Courses (Bachelor of Science)

- Biology 1113 & 1114 (8 hr)
- Math 1151 or 1156 (5 hr)
- Physics 1200 & 1201 or 1250 & 1251 (10 hr)
- Chemistry 1206, 1208 and 1220 (12 hr) or 1210 & 1220 (10 hr)
- Chemistry 2310 or 2510 (4 hr)
- Statistics 2480 or 2450 (3 hr)

Courses in the Evolution & Ecology Major

The evolution & ecology major requires a minimum of 30 credit hours as distributed below.

Core Courses (required)

- EEOB 3310.01 or .02 *Evolution* (4 hr)
- EEOB 3410 *Ecology* (4 hr)
- Biology 3401 *Integrated Biology* (4 hr) or 3501.0x (3 hr)
- Advanced course in math or statistics

Biodiversity (choose 2)

- EEOB 2210 *Ohio Plants* (2 hr)
- EEOB 2220 *Ohio Birds* (2 hr)
- EEOB 2250 *Dynamics of Dinosaurs* (3 hr)
- EEOB 2270 *Parasites and Evolution* (2 hr)
- EEOB 2410 *Biological Invasions* (3 hr)
- EEOB 3320 *Organismal Diversity* (3 hr)
- EEOB 4210 *Vertebrates* (2 hr)
- EEOB 4220 *Mammals* (3 hr)
- EEOB 4230 *Invertebrates* (2 hr)
- EEOB 4240 *Plants & People* (3 hr)
- EEOB 5910 *Reptiles and Amphibians* (2 hr)

Evolution and Ecology (choose 2)

- EEOB 3420 *Behavioral Ecology* (4 hr)
- EEOB 4410 *Conservation Biology* (3 hr)
- EEOB 4420H *Tropical Field Studies* (3 hr)
- EEOB 4430 *Ecological Methods I* (2 hr)
- EEOB 5310 *Advanced Evolution* (3 hr)
- EEOB 5320 *Society and Evolution* (3 hr)
- EEOB 5340 *Evolution and Taxonomy of Vascular Plants* (4 hr)
- EEOB 5350 *Evolutionary Ecology* (3 hr)
- EEOB 5410 *Ocean Ecology* (1.5 hr)
- EEOB 5420 *Ecology of Inland Waters* (4 hr)
- EEOB 5430 *Fish Ecology* (3 hr)
- EEOB 5450 *Population Ecology* (3 hr)
- EEOB 5460 *Physiological Ecology* (3 hr)
- EEOB 5470 *Community & Ecosystem Ecology* (3 hr)
- EEOB 5480 *Advanced Plant Ecology* (3 hr)
- EEOB 5490 *Insect Behavior* (3 hr)

Electives

As many as needed to get 30 major hours

Electives can be any course in EEOB numbered 2000-5999. Electives can also come from departments outside EEOB if the course fulfills the goals of the evolution & ecology major. Acceptable courses include Biochemistry 4511, Entomology 4600 and 4607, Environment and Natural Resources 3300, Microbiology 4000 and 4100, and Molecular Genetics 4500 and 4606. Up to 3 hours of research or internship credit may be counted toward the major. Other courses must be approved by the evolution & ecology advisor, Sue Ellen Dehority (dehority.2@osu.edu).