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 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)
- 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 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)

Electives

As many as needed to get 30 hours in the 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 Dehory (dehory.2@osu.edu).