

# The Zoology Major Program

## Required Supportive Courses

Bachelor of Science	Bachelor of Arts
<ul style="list-style-type: none"> <li>○ Biology 1113 &amp; 1114 (8 hr)</li> <li>○ Math 1151 or 1156 (5 hr)</li> <li>○ Physics 1200 &amp; 1201, or 1250 &amp; 1251 (10 hr)</li> <li>○ Chemistry 1210 &amp; 1220 (10 hr)</li> <li>○ Chemistry 2310 (4 hr) or Chemistry 2510 &amp; 2520 (8 hr)*</li> <li>○ Statistics 2480 or 2450 (3 hr)</li> </ul>	<ul style="list-style-type: none"> <li>○ Biology 1113 &amp; 1114 (8 hr)</li> <li>○ Math 1148 (4 hr)</li> <li>○ Physics 1103 &amp; 1104 (6 hr) or 1106 &amp; 1107, or 1200 &amp; 1201 (10 hr)</li> <li>○ Chemistry 1210 &amp; 1220 (10 hr)</li> <li>○ Chemistry 2310 (4 hr)</li> <li>○ Statistics 1450 (3 hr)</li> </ul>

## Courses in the Zoology Major

The zoology 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)
- EEOB 3320 *Organismal Diversity* (3 hr)
- MOLGEN 4500 .01 or .02 *General Genetics* (3 hr)

### Biodiversity (choose 1)

- 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 4210 *Vertebrates* (2 hr)
- EEOB 4220 *Mammals* (3 hr)
- EEOB 4230 *Invertebrates* (2 hr)
- EEOB 4410 *Conservation Biology* (3 hr)
- EEOB 4420H *Tropical Field Studies* (3 hr)
- EEOB 5910 *Reptiles and Amphibians* (2 hr)

### Organismal Biology (choose 2)

- EEOB 2510 *Human Anatomy* (3 hr)
- EEOB 3420 *Behavioral Ecology* (4 hr)
- EEOB 3510 *Cellular & Developmental Biology* (3 hr)
- EEOB 3520 *Microanatomy* (3 hr)
- EEOB 4510 *Comparative Vertebrate Anatomy* (3 hr)
- EEOB 4520 *Comparative Physiology* (3 hr)
- EEOB 4550 *Neurobiology of Behavior* (3 hr)
- EEOB 4560 *Endocrinology* (2 hr)

### Electives

As many as needed to get 30 hours in the major

\*Pre-med and pre-vet will need a full year of organic chemistry (CHEM 2510 & 2520) and possibly the organic chemistry labs (CHEM 2540 & 2550) as well.

Electives can be any course in EEOB numbered 2000-5999. Electives can also come from departments outside EEOB if the course has a substantial biology component.

Acceptable elective courses include Animal Sciences 3130 and 3140, Anthropology 3300 and 3304, Biochemistry 4511, 5613, and 5614, Biology 3401, Earth Sciences 3315 and 4501, Entomology 4600 and 4607, Environment and Natural Resources 3300, Microbiology 4000 and 4100, and Psychology 3313 and 5601. Up to 3 hours of research or internship credit may be counted toward the major. Other courses must be approved by the zoology advisor, Sue Ellen Dehority ([dehority.2@osu.edu](mailto:dehority.2@osu.edu)).