

*B.S. in Biology  
with Ecology Emphasis*

**Requirements (22 credits plus cognate requirements):**

- Cognate requirements (1 yr. Calculus, 2 yrs. Chemistry, 1 yr. Physics)
- 101, 111, 102, 112 General Biology I and II with labs (8)
- 251. Cell Biology (3)
- 265, 266 Ecology with lab (5)
- 282. Genetics (3)
- 319. Evolution (3)

**Electives (16 credits):** a minimum of two electives must be selected from the following list. The remaining credits may come from this list or from other electives offered in Biology. A minimum of (any) two electives must have laboratory components.

- 205. Plant Biology (4)
- 215. Ornithology (3)
- 296. Introduction to Research (1)
- 316. Limnology (4)
- 320. Animal Behavior (3)
- 325. Primatology-Behavior and Ecology (3)
- 327. Wetland Ecology (4)
- 328. Conservation Biology (3)
- 335. Biostatistics (4)
- 345. Sociobiology (3)
- 360. Field Biology (3)
- 363. Entomology (4)
- 368. Plant Ecology (4)
- 369. Invertebrate Biology (3)
- 370. Ichthyology (4)
- 371. Marine Biology (3)
- 371L Marine Biology Lab (1)
- 372. Lake Michigan Biology (4)
- 375. Aquatic Insects (4)
- 393. Natural Resource Conservation (3)
- 395. Special Topics(1-4)\*
- CHEM 312-313. Environmental Chemistry (4)
- 396. Research (3)\*, 397. Senior Honors Thesis (3)\*, or 398. Internship (1-3)\*

The growing significance of environmental issues to the overall health of our world in the new century requires more individuals who are scientifically trained to contribute to solving environmental problems. A new program in the Department of Biology is designed to provide in-depth training for students planning to do research in various areas of environmental sciences as either graduate students or employees of environmental agencies and companies.

**Program for a Biology Major with an Ecology Emphasis**

Biology majors choosing to focus their electives on Ecology courses would receive a Biology major/Ecology emphasis. This specialized Biology major requires 38 credit hours, including 9 required courses (22 hours) and elective courses totaling 16 hours. This track allows students to acquire a strong background in fundamental Biology with a specialization in the basic science of Ecology and Evolution. Students will follow the program outlined at left.