

# Environmental Biology Concentration

Supporting Department: [Ecology & Evolutionary Biology](#)  
([College of Liberal Arts & Sciences](#))

## Concentration objectives:

The objectives of this concentration are to provide students with both technical expertise and conceptual understanding in the field of environmental biology. The technical aspects of the curriculum include: 1) field and laboratory methods in ecology and 2) thorough reviews of the major groups of plants and animals. These techniques and knowledge of natural history serve as the basis for investigating the mechanisms and principles that govern patterns of distribution and abundance of plants and animals in the natural environment. This is a concentration that trains students to know what the world's biological resources are, how they interact in complex ecosystems, and how that knowledge can be applied to conserve the diversity of biological systems.

## Environmental Biology concentration required course work:

### Students must complete the following:

EEB 2245 or EEB 2245W	Evolutionary Biology	Every Semester
EEB 3307 or EEB 4230W	African Field Ecology (Spring) or Methods of Ecology (Fall)	

### In addition, students must complete at least one course from each of the following groups:

#### Group I: Ecological Systems & Processes

EEB 2208	Introduction to Conservation Biology	Spring
EEB 3230	Marine Biology	Fall
EEB 3247	Limnology	Alternate Falls
EEB 4215	Physiological Ecology of Animals	Alternate Falls
EEB 5301	Population of Community Ecology	Alternate Springs
EEB 5302	Organisms & Ecosystems	Alternate Springs
EEB 5310	Conservation Biology	Alternate Falls

#### Group II: Plant Diversity

EEB 3203	Developmental Plant Morphology	Alternate Falls
EEB 3204	Aquatic Plant Biology	Alternate Falls
EEB 3220/W	Evolution of Green Plants	Alternate Springs
EEB 3240	Biology of Bryophytes & Lichen	Alternate Springs
EEB 3250	Biology of Algae	Alternate Falls
EEB 3256	Plants & Civilization	Infrequent
EEB 3271	Systematic Botany	Alternate Springs
EEB 4272	The Summer Flora	Summer
EEB 4276	Plant Anatomy	Alternate Falls

#### Group III: Animal Diversity

EEB 2214	Biology of Vertebrates	Fall
EEB 3254	Mammology	Alternate Falls
EEB 3265	Herpetology	Alternate Springs
EEB 3273	Comparative Vertebrate Anatomy	Alternate Falls
EEB 4200	Biology of Fishes	Alternate Springs
EEB 4250	General Entomology	Fall
EEB 4252	Field Entomology	Summer
EEB 4260 & EEB 4261	Ornithology & Ornithology Lab	Spring
EEB 4274	Introduction to Animal Parasitology	Alternate Falls
EEB 4275	Invertebrate Zoology	Alternate Falls