# EVOLUTION, ECOLOGY & BIODIVERSITY, MINOR

## College of Biological Sciences

Learn about the diversity of life of Earth, including diversity in genes, physiology, shapes, sizes, and behaviors. You will learn about how this diversity emerged, as plants, animals, and microbes became adapted to the environment and to each other. You will learn to predict whether populations of interacting organisms will persist over time.

## Faculty Advisor

Laci M. Gerhart-Barley, Ph.D.

## Advising

Biological Academic Success Center (BASC) (https://basc.biology.ucdavis.edu/) in 1023 Katherine Esau Science Hall (formerly Sciences Laboratory Building); 530-752-0410.

Only one course used to satisfy a requirement for the minor may be applied toward a student’s major.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EVE 100</td>
<td>Introduction to Evolution</td>
<td>4</td>
</tr>
<tr>
<td>EVE 101</td>
<td>Introduction to Ecology</td>
<td>4</td>
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<td>Courses selected for the Biodiversity and Advanced Ecology or Evolution sections must add up to at least 10 units.</td>
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### Biodiversity

Choose one:

- ENT 103 Insects Systematics
- EVE 105 Phylogenetic Analysis of Vertebrate Structure
- EVE/PLB 108 Systematics & Evolution of Angiosperms (Discontinued)
- EVE 112 Biology of Invertebrates
- EVE 112L Biology of Invertebrates Laboratory
- EVE 114 Experimental Invertebrate Biology
- EVE 140 Paleobotany
- PLB/PLS 116 Plant Morphology & Evolution
- PLB/PLP 148 Introductory Mycology
- PLS 147 California Plant Communities
- WFC 110 Biology & Conservation of Wild Mammals
- WFC 110L Laboratory in Biology & Conservation of Wild Mammals
- WFC 111 Biology & Conservation of Wild Birds
- WFC 111L Laboratory in Biology & Conservation of Wild Birds
- WFC 120 Biology & Conservation of Fishes
- WFC 120L Laboratory in Biology & Conservation of Fishes
- WFC 134 Herpetology
- WFC 134L Herpetology Laboratory
- MIC 105 Microbial Diversity
- MIC 105L Microbial Diversity Laboratory
- NEM 110 Introduction to Nematology

### Advanced Ecology or Evolution

Choose two:

- EVE 102 Population & Quantitative Genetics
- EVE 103 Phylogeny, Speciation & Macroevolution
- EVE 107 Animal Communication
- EVE 115 Marine Ecology
- EVE/PLB 117 Plant Ecology
- EVE/PLB 119 Population Biology of Invasive Plants & Weeds
- EVE 120 Global Change Ecology
- EVE 131 Human Genetic Variation & Evolution
- EVE 138 Ecology of Tropical Latitudes
- EVE 141 Principles of Systematics
- EVE 147 Biogeography
- EVE 149 Evolution of Ecological Systems
- EVE 150 Evolution of Animal Development
- EVE 161 Microbial Phylogenomics; Genomic Perspectives on the Diversity & Diversification of Microbes

Choose EVE 180A or ENT 180A & EVE 180B or ENT 180B:

- EVE/ENT 180A Experimental Ecology & Evolution in the Field
- EVE/ENT 180B Experimental Ecology & Evolution in the Field
- EVE 181 Ecology & Evolution of Animal-Plant Interactions

Laboratory or field course: At least one of the courses taken to fulfill these requirements must include a 6-hour per week laboratory or field component or two courses with a 3-hour per week laboratory or field component.

**Total Units**: 18