

# 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, Ph.D.

## Advising

Biology 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.

Code	Title	Units
EVE 100	Introduction to Evolution	4
EVE 101	Introduction to Ecology	4

Courses selected for the Biodiversity and Advanced Ecology or Evolution sections must add up to at least 10 units.

### Biodiversity

Choose one:

ENT 103	Insects Systematics
EVE 105	Phylogenetic Analysis of Vertebrate Structure
EVE/PLB 108	(Discontinued)
EVE 112	Biology of Invertebrates
EVE 112L	Biology of Invertebrates Laboratory
EVE 114	Experimental Invertebrate Biology
EVE 140	Paleobotany
MIC 105	Microbial Diversity
MIC 105L	Microbial Diversity Laboratory
NEM 110	Introduction to Nematology
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

*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**