

BIOLOGICAL SCIENCES, MINOR

College of Biological Sciences

The Biological Sciences minor provides an opportunity for students in programs outside of the College of Biological Sciences to complement their studies with a concentration in biology. Student in the minor experience the breadth of biology by taking courses in five core areas: molecular biology/biochemistry, animal biology, plant biology, microbiology and ecology/evolution.

Departments of Evolution & Ecology; Microbiology & Molecular Genetics; Molecular & Cellular Biology; Neurobiology, Physiology, & Behavior; and Plant Biology

Faculty Advisor

Lesilee Rose, Ph.D.

Advising

Information on the Biological Sciences major or minor can be obtained at the Biology Academic Success Center (BASC) (<http://basc.ucdavis.edu/>) in 1023 Katherine Esau Science Hall (formerly Sciences Laboratory Building); 530-752-0410.

Restrictions

A course can only be used once to fulfill minor requirements if it can be used to fulfill more than one group. Only one course used to satisfy a requirement for the minor may be applied toward a student's major.

Code	Title	Units
Complete at least 3 units from each of the five numbered groups to total at least 18 units. Appropriate alternative courses may be used with approval of the faculty advisor.		18
1) Genetics, Molecular Biology or Biochemistry		
BIS 101	Genes & Gene Expression	
or BIS 101V	Genes & Gene Expression	
BIS 102	Structure & Function of Biomolecules	
or BIS 102V	Structure & Function of Biomolecules	
BIS 105	Biomolecules & Metabolism	
2) Animal Physiology, Behavior or Development		
EVE 107	Animal Communication	
MCB 150	Developmental Biology	
NPB 100	Neurobiology	
NPB 101	Systemic Physiology	
NPB 102	Animal Behavior	
NPB 107	Cell Signaling in Health & Disease	
NPB 117	Avian Physiology	
NPB 123/APC 100	Comparative Vertebrate Organology	
NPB 141	(Discontinued for spring 2023) **	
3) Microbiology		
MMG 102		
or MIC 102	DISCONTINUED FOR FALL 2026 **	
MMG 162	General Virology	
or MIC 162	DISC	

MMG 170	Yeast Molecular Genetics
or MIC 170	DISCONTINUED FOR FALL 2025 **
PLP/PLB 148	Introductory Mycology
4) Plant Biology	
PLB 105	Developmental Plant Anatomy
PLB 111	Plant Physiology
PLB 112	Plant Growth & Development
PLB 113	Molecular & Cellular Biology of Plants
PLB/PLS 116	Plant Morphology & Evolution
PLB/MCB 126	Plant Biochemistry
5) Evolution & Ecology	
BIS 122	Population Biology & Ecology
ESP 100	General Ecology
EVE 100	Introduction to Evolution
EVE 101	Introduction to Ecology
EVE 105	Phylogenetic Analysis of Vertebrate Structure (Discontinued)
EVE 112	Biology of Invertebrates
EVE 115	Marine Ecology
EVE 131	Human Genetic Variation & Evolution
EVE 138	Ecology of Tropical Latitudes (Discontinued)
EVE 140	Paleobotany (Discontinued)
EVE 147	Biogeography
PLB 102/ PLS 102 DISCONTI	(Discontinued for winter 2024) **
PLB 108/ EVE 108 DISCONTINUED FOR WINTER 2024 **	(Discontinued for winter 2024) **
PLB/EVE 117	Plant Ecology
PLB/EVE 119	Population Biology of Invasive Plants & Weeds
PLB 143	Evolution of Crop Plants
PLB/PLP 148	Introductory Mycology
Additional courses (if necessary) from above numbered groups to reach 18 units.	
Total Units	18

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Course(s) discontinued; see your advisor for course options.