

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 | |
| BIS 102 | 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) | |
| 3) Microbiology | | |
| MIC 102 | Introductory Microbiology | |
| MIC 162 | General Virology | |
| MIC 170 | Yeast Molecular Genetics | |
| PLP/PLB 148 | Introductory Mycology | |
| 4) Plant Biology | | |
| PLB 105 | Developmental Plant Anatomy | |

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| 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 |
| EVE 112 | Biology of Invertebrates |
| EVE 115 | Marine Ecology |
| EVE 131 | Human Genetic Variation & Evolution |
| EVE 138 | Ecology of Tropical Latitudes |
| EVE 140 | Paleobotany |
| EVE 147 | Biogeography |
| PLB/PLS 102 | California Floristics (Discontinued) |
| PLB/EVE 108 | Systematics & Evolution of Angiosperms (Discontinued) |
| 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 |