

Biology, Minor

The Department of Biology offers a minor in biology, which involves taking five biology courses, two of which must have a corequisite lab. The minor provides students with a foundation in the five core concepts of biology: evolution, energy transformations, biological structure from the molecular to the ecosystem scale, information flow, and systems biology.

Minor Requirements

Complete all courses listed below unless otherwise indicated. Also complete any corequisite labs, recitations, clinicals, or tools courses where specified.

Restrictions

This minor is not available for students who major in biology, biochemistry, behavioral neuroscience, cell and molecular biology, marine biology, ecology and evolutionary biology, or any combined major that involves those listed above.

Required Biology Courses

Complete five biology courses for a total of at least 22 semester hours. Two of the five courses must contain a lab corequisite.

| Code | Title | Hours |
|---|--|-------|
| Complete one introductory biology sequence: | | 9-10 |
| <i>Foundations of Biology</i> | | |
| BIOL 1107 and BIOL 1108 | Foundations of Biology and Lab for BIOL 1107 | |
| BIOL 2299 | Inquiries in Biological Sciences | |
| <i>General Biology</i> | | |
| BIOL 1111 and BIOL 1112 | General Biology 1 and Lab for BIOL 1111 | |
| BIOL 1113 and BIOL 1114 | General Biology 2 and Lab for BIOL 1113 | |
| <i>General Biology (for Engineers)</i> | | |
| BIOL 1115 and BIOL 1116 | General Biology 1 for Engineers and Lab for BIOL 1115 | |
| BIOL 1113 and BIOL 1114 | General Biology 2 and Lab for BIOL 1113 | |
| Complete the following required course: | | |
| BIOL 2301 and BIOL 2302 | Genetics and Molecular Biology and Lab for BIOL 2301 | 5 |

Complete at least one course from the Organismal and Evolutionary Biology list. The remaining courses can be selected from either the Organismal and Evolutionary Biology list or from the list of Intermediate/Advanced Biology Electives.

Organismal and Evolutionary Biology Course List

| Code | Title | Hours |
|---|---|-------|
| Complete at least one of the following courses: | | 4-10 |
| BIOL 2327 | Human Parasitology | |
| BIOL 3401 | Comparative Vertebrate Anatomy | |
| BIOL 3403 | Animal Behavior | |
| BIOL 3413 | Current Topics in Organismal and Population Biology | |
| BIOL 5585 | Evolution | |
| EEMB 2290 to EEMB 3450 | | |
| EEMB 3460 to EEMB 5130 | | |
| ENVR 5242 | Ancient Marine Life | |

Intermediate/Advanced Biology Electives

| Code | Title | Hours |
|----------------------------|--|-------|
| BIOL 2221 and BIOL 2222 | Foundations of Microbiology and Lab for BIOL 2221 | |
| BIOL 2329 to BIOL 3990 | | |

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BIOL 4705 to BIOL 4709

BIOL 5301 to BIOL 5597

EEMB 3001

Genetics and Evolution in Action

GPA Requirement

2.000 GPA required in the minor