

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 subjects 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
Introductory Biology		
<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:		
BIOL 2301 and BIOL 2302	Genetics and Molecular Biology and Lab for BIOL 2301	5

Organismal and Evolutionary Biology Course List

Code	Title	Hours
Complete at least one of the following:		4
BIOL 2327	Human Parasitology	
BIOL 3401	Comparative Vertebrate Anatomy	
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	

Code	Title	Hours
The remaining courses can be selected from either the organismal and evolutionary biology list or from the list of intermediate/advanced biology electives.		4-5

Intermediate/Advanced Biology Electives

Code	Title	Hours
BIOL 2221 and BIOL 2222	Foundations of Microbiology and Lab for BIOL 2221	

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BIOL 2329 to BIOL 3990

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