

# Cell and Molecular Biology, Minor

The Department of Biology offers a minor in cell and molecular biology, which involves taking five biology courses, two of which must have a corequisite lab. The minor provides students with a foundation in biology and an emphasis in cell and molecular 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. At least 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 courses:		
BIOL 2301 and BIOL 2302	Genetics and Molecular Biology and Lab for BIOL 2301	5
BIOL 4707 or BIOL 5591	Cell and Molecular Biology Advanced Genomics	4

## INTERMEDIATE/ADVANCED ELECTIVES

Code	Title	Hours
Complete at least one of the following course options:		4-5
BIOL 3405	Neurobiology	
BIOL 3411	Current Topics in Cell and Molecular Biology	
BIOL 3421 and BIOL 3422	Microbiology and Lab for BIOL 3421	
BIOL 3601	Neural Systems and Behavior	
BIOL 3605	Developmental Neurobiology	
BIOL 3611 and BIOL 3612	Biochemistry and Lab for BIOL 3611	
BIOL 4705 to BIOL 4709		
BIOL 5301 to BIOL 5306		
BIOL 5499 to BIOL 5583		
BIOL 5587 to BIOL 5597		
EEMB 3001	Genetics and Evolution in Action	

2 Cell and Molecular Biology, Minor

**CREDIT/GPA REQUIREMENT**

Complete 22 semester hours

2.000 GPA required in the minor