

# MOLECULAR, CELLULAR AND DEVELOPMENTAL BIOLOGY - MINOR

The department offers a minor in molecular, cellular and developmental biology. Declaration of the minor is open to any student enrolled at CU Boulder, regardless of college or school.

## Requirements

Students must complete a total of 20 credit hours of molecular, cellular and developmental biology coursework, 12 of which must be at the upper-division level. Students must maintain an overall and minor GPA of at least 2.00 (C), and complete all MCDB courses with a C- or better.

Students may apply no more than 9 credit hours, including 6 upper-division credit hours, of transfer work toward the minor.

## Required Courses and Credits

Code	Title	Credit Hours
<b>Required Courses</b>		
MCDB 1150	Introduction to Cellular and Molecular Biology	3
or MCDB 1111	Core Concepts in Biology I: Evolutionary, Molecular and Cell Biology	
or EBIO 1210	General Biology 1	
or CHEN 2810		
MCDB 2150	Principles of Genetics	3
or MCDB 2222	Core Concepts in Biology II: Genes, Genetics and Phenotypes	
or EBIO 2070	Genetics: Molecules to Populations	
MCDB 1161	From Dirt to DNA: Phage Genomics Laboratory I	2
or MCDB 1171	Antibiotics Discovery Through Hands-on Screens I	
or MCDB 2171	Chemotherapeutic Discovery Through Hands-On Screens 2	
or MCDB 1181	Biological Probiotic/Drug Discovery Through Hands-on Screens	
MCDB 3135	Molecular Biology	3
MCDB 3145	Cell Biology	3
<b>Electives</b>		
Upper-division MCDB coursework (3000-level or higher)		6
<b>Total Credit Hours</b>		<b>20</b>