

BIOLOGY MINOR

Introduction

Please click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/integrative-biology/>) to see Integrative Biology department information.

These program requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their major, minor and CLAS advisors to confirm the best plans of study before finalizing them.

Program Delivery

- This is an on-campus program.

Declaring This Minor

- Please see your CLAS advisor.
- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/#policiestext>) to go to information about declaring a major/minor.

General Requirements

Students must satisfy all requirements as outlined below and by the department offering the minor.

- Click here (<http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/>) for information about Academic Policies

Program Requirements

1. Students must complete a minimum of 27 credit hours, including a minimum of 18 BIOL credit hours and nine credit hours in approved ancillary coursework.
2. Students must complete a minimum of nine upper-division (3000-level and above) BIOL credit hours.
3. Students must earn a minimum grade of C- (1.7) in all courses that apply to the minor and must achieve a minimum cumulative minor GPA of 2.0. All graded attempts in required and elective courses are calculated in the minor GPA. Students cannot complete minor or ancillary course requirements using P+/P/F or S/U grading.
4. Students must complete a minimum of nine upper division level BIOL credit hours with CU Denver faculty.

Program Restrictions, Allowances and Recommendations

1. Upper division BIOL courses more than ten years old will not count automatically to the Minor, but can be evaluated individually for their current relevance to the degree program through a petition process with the Department of Integrative Biology Curriculum Committee. Approval for courses older than ten years is not guaranteed so students may be required to update their knowledge by taking additional courses when past courses are outdated.

Code	Title	Hours
<i>Complete the following required courses:</i>		8
BIOL 2010	Organisms to Ecosystems (Gen Bio)	
	or BIOL 203C Honors Organisms to Ecosystems (Gen Bio)	
BIOL 2011	Organisms to Ecosystems Lab (Gen Bio)	
	or BIOL 2031 Honors Organisms to Ecosystems Lab (Gen Bio)	
BIOL 2020	Molecules to Cells (Gen Bio)	
	or BIOL 204C Honors Molecules to Cells (Gen Bio)	
BIOL 2021	Molecules to Cells Lab (Gen Bio)	
	or BIOL 2041 Honors Molecules to Cells Lab (Gen Bio)	
<i>Complete a minimum of six credits from the following upper division level BIOL courses:</i>		6
BIOL 3411	Principles of Ecology	
BIOL 3445	Introduction to Evolution	
BIOL 3611	General Cell Biology	
BIOL 3832	General Genetics	
<i>Complete a minimum of four credits from at least two upper division (3000 level or higher) BIOL elective courses. At least one of the courses must be from the following approved list:¹</i>		4
BIOL 3137	Advanced Special Topics with Lab	
BIOL 3225	Human Physiology	
BIOL 3244	Human Anatomy	
BIOL 3413	Ecology Laboratory	
BIOL 3612	Cell Biology Laboratory	
BIOL 3640	Mammalogy	
BIOL 3651	General Microbiology Lab	
BIOL 4125	Molecular Biology Laboratory	
BIOL 4335	Plant Structure and Development	
BIOL 4345	Flora of Colorado	
BIOL 4644	Advanced Human Anatomy Laboratory	
BIOL 4910	Field Studies	
<i>Complete all of the following ancillary course requirements:</i>		9
CHEM 2031	General Chemistry I	
	or CHEM 208H Honors General Chemistry I	
CHEM 2038	General Chemistry Laboratory I	
	or CHEM 203J Majors General Chemistry I Laboratory	
	or CHEM 208H Honors General Chemistry I Laboratory	
CHEM 2061	General Chemistry II	
	or CHEM 209H Honors General Chemistry II Lecture	
CHEM 2068	General Chemistry Laboratory II	
	or CHEM 206J Majors General Chemistry II Laboratory	
	or CHEM 209H Honors General Chemistry II Laboratory	
Total Hours		27

¹ Note: BIOL 3020 Practical Laboratory Skills will not satisfy the upper division level elective requirement.

To learn more about the Student Learning Outcomes for this program, please visit our website (https://clas.ucdenver.edu/integrative-biology/academics/undergraduate-programs/#biology_major-73).