

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

- 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.
- Students must complete a minimum of nine upper-division (3000-level and above) BIOL credit hours.
- 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. Students cannot complete minor or ancillary course requirements using P+/P/F or S/U grading.
- Students must complete a minimum of nine upper division level BIOL credit hours with CU Denver faculty.

Program Restrictions, Allowances and Recommendations

- 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not guaranteed so students may be required to update their knowledge by taking additional courses when past courses are outdated.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) | |

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| | 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 3226 | Human Physiology | |
| BIOL 3240 | Human Anatomy Lecture | |
| 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 203 Majors General Chemistry I Laboratory | |
| | or CHEM 203H 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 206 Majors General Chemistry II Laboratory | |
| | or CHEM 206H 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/bs-integrative-biology/>).