

Biology · Associate of Science

Biology is the study of life and living beings, including their types, growth, structure, evolution, and where and how they live. Modern biology is very broad and it has many smaller areas, including the study of animals, plants, cells, genes, and other life science topics. This program introduces students to Biology and it includes courses that are common to all four-year institutions in Colorado.

Career Information

Career paths for Biology degree holders include pre-medicine, pre-pharmacy, pre-veterinary, physical therapy, dentistry, and many scientific arenas. The Associate of Science (AS) degree in Biology prepares students to complete the second half of a Bachelor of Science (BS) in Biology at a four-year university.

Course Map. Where students have options, recommended courses appear (in brackets).

Fall 1/ First Semester ~15 credit hours	
ENG 121 BIO 111 MAT 201 Arts and Humanities (PHI 112)	Milestones: Complete one BIO and one ENG course with C or higher Maintain at least 2.0 GPA
Spring 1/ Second Semester ~15 credit hours	
ENG 122 BIO 112 Social and Behavioral Science (ANT 101, GEO 105, or GEO 106) Elective (COM 115)	Milestones: Complete all ENG and MAT requirements with C or higher Maintain at least 2.0 GPA Complete scholarship applications early! Start visiting Transfer schools
Fall 2/ Third Semester ~15 credit hours	
PHY 111 CHE 111 History (HIS 121, 122, 111, or 112) Elective (COM 269, 263, 264, 268, 262, PED 110)	Milestones: Submit Graduation Planning Sheet! Apply for admission at Transfer school(s) Maintain at least 2.0 GPA Reach out to department chair/faculty advisor at Transfer school
Spring 2/ Final Semester ~15 credit hours	
PHY 112 CHE 112 Arts and Humanities (HUM 115, LIT 115, or ART 110) Social and Behavioral Science (ANT 101, GEO 105, or GEO 106)	Milestones: Maintain at least 2.0 GPA Complete scholarship applications early!

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Valid for school year
2018/2019

Sample Schedules (recommended requirements and electives used as an example)

Full time 2 years

Fall 1	Credits 16	Spring 1	Credits 14
ENG 121 BIO 111 MAT 201 PHI 112	3 5 5 3	ENG 122 BIO 112 ANT 101 COM 115	3 5 3 3
Fall 2	Credits 14	Spring 2	Credits 16
PHY 111 CHE 111 HIS 121 COM 269	5 5 3 1	PHY 112 CHE 112 HUM 115 GEO 105	5 5 3 3

Part time 3 years (requires summer semesters)

Fall 1	Credits 8	Spring 1	Credits 8	Summer 1	Credits 5
ENG 121 BIO 111	3 5	ENG 122 BIO 112	3 5	MAT 201	5
Fall 2	Credits 8	Spring 2	Credits 8	Summer 2	Credits 6
PHY 111 PHI 112	5 3	PHY 112 HUM 115	5 3	COM 115 HIS 121	3 3
Fall 3	Credits 6	Spring 3	Credits 8	Summer 3	Credits 3
CHE 111 COM 269	5 1	CHE 112 GEO 105	5 3	ANT 101	3

Degree Transfer

This degree transfers to the following Colorado Public Four-Year institutions of higher education:

- University of Colorado, Boulder (B.A. Ecology and Evolutionary Biology)
- University of Colorado, Denver (B.S. Biology)
- University of Colorado, Colorado Springs (B.S. Biology)
- Adams State University (B.S. Biology, Cellular and Molecular Biology, Organismal Biology, and Wildlife Biology emphases)
- Colorado Mesa University (B.S. Biological Sciences, Biology concentration)
- Colorado State University-Fort Collins (B.S. Biological Sciences)
- Colorado State University-Pueblo (B.S. Biology)
- Fort Lewis College (B.S. Biology, General Biology option)
- Metropolitan State University of Denver (B.S. Biology)
- University of Northern Colorado (B.S. Biological Sciences, Cellular and Molecular Biology, Ecology and Evolutionary Biology, Pre-Health and Biomedical Sciences emphases)
- Western State Colorado University (B.A. Biology, Cell Biology/Pre-medicine, Environmental Biology and Ecology, General Biology, Pre-allied Health emphases)