

BIOLOGY B.A.

Secondary Education Option

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

Website: www.uccs.edu/advising

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Current UCCS Students

- Appointments: www.uccs.edu/advising/current-students
- Drop In Advising: Most Wednesdays, 1:00pm - 4:00pm

Prospective Students: www.uccs.edu/admissions/contact

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

1. 120 credit hours
2. 45 upper-division credit hours (3000-4999 level)
3. 2.0 CU cumulative GPA
4. Residency: Last 30 credit hours of degree must be completed while registered in the College of Letters, Arts, and Sciences at UCCS

Student Responsibilities

Students are required to know and follow:

1. All academic policies set forth by the University, College, and academic department in the UCCS Catalog: catalog.uccs.edu
2. All course prerequisites designated by the University. Failure to meet course pre-requisites may result in an administrative drop of the course from a student's schedule: see degree audit for list of course prerequisites within academic major.

MAJOR INFORMATION

Biology majors survey the origins, maintenance, and conservation of biological diversity, as well as the molecular, genetic, and cellular basis of life. Students have the opportunity to learn about a wide range of topics, which include the complex interactions that exist among organisms and their environments, as well as the biological processes that underlie molecular and organismic evolution, cellular function, and embryonic development.

Biology Major (33 hours)	Course/Area	Course Title	Credit Hours
	BIOL 1300/1310	General Biology: Organismic Biology and Lab	4
	BIOL 1350/1360	General Biology: Introduction to the Cell and Lab	4
	BIOL 2030/2130	Microbiology and Lab	4
	BIOL 3000	Biology Statistics	3
	BIOL 3020	Cell Biology	3
	BIOL 3700	General Ecology	3
	BIOL 3830	Genetics	3
	BIOL 4250	Evolution	3
	Electives	<i>Complete 6 hours of Upper Division (3000+ level) BIOL Electives.</i>	6
	Auxiliary Requirements		
	CHEM 1401/1402	General Chemistry I and Lab	5
	CHEM 1411/1412	General Chemistry II and Lab	5
	CHEM 3001/3002	Organic Chemistry and Lab	5
	MATH 1330	Calculus for Life Sciences	4
	PES 1010/1150	Physics for Life Science I and Lab	5
UCCS Teach Courses (32 hours)	UTED 1010	Step I: Inquiry Approaches to Teaching	1
	UTED 1020	Step II: Inquiry-Based Lesson Design	1
	UTED 2010	Knowing and Learning in Mathematics and Science	3
	UTED 3020	Classroom Interactions	3
	UTED 4710	Project-Based Instruction	3
	UTED 4720	Reading in the Content Area	3
	UTED 4730	Apprentice Teaching UCCS Teach and Seminar	12
	UTLS 3030	Perspectives on Science and Math	3
	UTLS 3040	Science Research Methods	3

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University of Colorado
Colorado Springs

General Education and Elective Requirements

Composition (6 hours)	<ol style="list-style-type: none">1. ENGL 13102. ENGL 14103. PORT 3000 (0 Credits) – Writing Portfolio	
Reasoning Skills (4 hours)	<ol style="list-style-type: none">1. MATH 13302. BIOL 3000	
Area Requirements (27 hours) <ul style="list-style-type: none">• Maximum 2 courses from any one discipline may be applied to the area requirements• Courses may not be taken pass/fail	<ol style="list-style-type: none">1. Humanities – 9 credit hours of which 3 credits must be HUM 39902. Social Sciences – 9 credit hours3. Natural Sciences – 9 credit hours which must include GEOL 1010 and PES 1050 or PES 1060 <p>NOTE: Cannot select courses from primary major courses for area requirements.</p>	
Oral Communication, Cultural Diversity, and Global Awareness Requirements	One course from each list (see degree audit). <i>All courses that fulfill these requirements may also count towards other general education or major requirements.</i>	
Compass Curriculum (12 hours) <ul style="list-style-type: none">• Explore and Navigate courses must be outside major and area requirements• Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree	Component	Course
	Gateway	GPS 1010
	Explore – Arts, Humanities and Cultures	See Degree Audit
	Explore – Society, Behavior and Health	See Degree Audit
	Explore – Physical and Natural World	CHEM 1401/1402
	Navigate	HUM 3990 (included in LAS area requirements)
	Summit	UTED 4730 (included in major requirements)
	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ol style="list-style-type: none">1. HUM 3990 (included in LAS area requirements)2. See Degree Audit
	Inclusiveness	See Degree Audit
	Sustainability	BIOL 3700

Four-Year Degree Plan

Please note that this is an *example* degree program and your program may vary. **Students are responsible for completing all course prerequisites.**

Year One	✓	FALL	Hours	✓	SPRING	Hours
		GPS 1010	3		ENGL 1410	3
		ENGL 1310	3		BIOL 1350/1360	4
		BIOL 1300/1310	4		CHEM 1411/1412	5
		CHEM 1401/1402	5		UTED 1020	1
		UTED 1010	1		PES 1050 or PES 1060	3
		TOTAL	16		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		BIOL 2030/2130	4		BIOL 3830	3
		PES 1010/1150	5		MATH 1330	4
		CHEM 3001/3002	5		UTED 3020	3
		UTED 2010	3		Explore – Arts, Humanities & Cultures Course	3
					Explore – Society, Behavior & Health Course	3
		TOTAL	17		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		BIOL 3000	3		BIOL 3700	3
		BIOL 3020	3		BIOL Elective	3
		UTLS 3040 (Fall Only)	3		UTLS 3030 (Spring Only)	3
		UTED 4720 (Fall Only)	3		HUM 3990	3
		GEOL 1010	4		Social Science Elective	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		BIOL 4250	3		UTED 4730	12
		BIOL Elective	3			
		UTED 4710	3			
		Humanities Elective	3			
		Social Science Elective	3			
		TOTAL	15		TOTAL	12

NOTE: Students must complete all course requirements other than UTED 4730 before the final semester.