

BIOLOGY B.S.

Secondary Education Option

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

1. 126 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 prerequisites may result in an administrative drop of the course from a student's schedule. See degree audit for course prerequisites within the academic major.

DEGREE REQUIREMENTS

Explore Biology: [Undergraduate | Department of Biology \(uccs.edu\)](http://www.uccs.edu/undergraduate/departments/biology)

Major Requirements				
Biology Major (32 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 32 credit hours of BIOL course work and a minimum of 24 credit hours of auxiliary courses • Requires a minimum of 24 credit hours of upper-division (3000+ level) BIOL course work. • All BIOL courses must have a grade of "C-" or better. 	BIOL 1300/1310	General Biology: Organismic Biology and Lab	4	
	BIOL 1350/1360	General Biology: Introduction to the Cell and Lab	4	
	BIOL 3000	Biostatistics	3	
	BIOL 3020	Cell Biology	3	
	BIOL 3700	General Ecology	3	
	BIOL 3830	Genetics	3	
	BIOL 4250	Evolution	3	
	Electives	<i>Complete 9 hours of Upper Division (3000+ level) BIOL Electives.</i>	9	
	Auxiliary Requirements			
	CHEM 1401/1402	General Chemistry I and Lab I	5	
	CHEM 1411/1412	General Chemistry II and Lab II	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 I	5		
UCCS Teach Courses (33 hours)	UTED 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3	
<ul style="list-style-type: none"> • A grade of "B-" or better must be earned in all Education courses. • Courses should be taken in the appropriate semester. See the four-year plan for details. 	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	

General Education and Elective Requirements

Core Writing Requirement (6 hours)	1. ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) 2. ENGL 1410 3. PORT 3000 (0 Credits) – Writing Portfolio	
Reasoning Skills	1. MATH 1330 (included in auxiliary requirements) 2. BIOL 3000 (included in major requirements)	
Area Requirements (25 hours) <ul style="list-style-type: none">Maximum 2 courses from any one discipline may be applied to the area requirements	1. Humanities – 9 credit hours of which 3 credits must be HUM 3990. 2. Social Sciences – 9 credit hours 3. Natural Sciences – 7 credit hours to include GEOL 1010 and PES 1050 or PES 1060 NOTE: Cannot select courses from primary major courses for area requirements.	
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>	
LAS Language other than English Requirement	Complete two semesters of a language other than English equivalent to 1010 & 1020 with high school, transfer, placement exam, or UCCS coursework. <i>Courses taken to fulfill this requirement may also count toward Compass Curriculum Explore - Arts, Humanities and Cultures or general electives. See degree audit for details.</i>	
Compass Curriculum (6 hours) <ul style="list-style-type: none">Explore and Navigate courses must be outside major and area requirementsWriting 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	UTED 1030
	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>	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
		ENGL 1310	3		BIOL 1350/1360	4
		BIOL 1300/1310	4		CHEM 1411/1412	5
		CHEM 1401/1402	5		UTED 1030	3
					PES 1050 or PES 1060	3
		TOTAL	15		TOTAL	18

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 3001/3002	5		BIOL 3830
		GEOL 1010	4		MATH 1330	4
		PES 1010/1150	5		UTED 3020	3
		UTED 2010	3		Explore – Arts, Humanities & Cultures Course	3
					Social Science Elective (<i>Global Awareness/Inclusiveness</i>)	3
		TOTAL	17		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			BIOL 3000	3		BIOL 3700
		BIOL 3020	3		UD BIOL Elective	3
		Upper-Division (UD) BIOL Elective	3		UTLS 3030 (Spring Only)	3
		UTLS 3040 (Fall Only)	3		HUM 3990	3
		UTED 4720 (Fall Only)	3		Humanities Elective	3
					Social Science Elective (<i>Cultural Diversity</i>)	3
		TOTAL	15		TOTAL	18

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			BIOL 4250	3		UTED 4730
		UD 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.