BIOLOGY B.A.

Secondary Education Option



ACADEMIC ADVISING

Partnering with students to successfully navigate collegeLocation:Main Hall 208Phone:719.255.3260

Website: www.uccs.edu/advising

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

Connect With Your Advisor

Current UCCS Students

Appointments: <u>www.uccs.edu/advising/current-students</u>

• Drop In Advising: Most Wednesdays, 1:00pm - 4:00pm Prospective Students: <u>www.uccs.edu/admissions/contact</u>

Student Responsibilities

Students are required to know and follow:

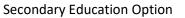
- 1. All academic policies set forth by the University, College, and academic department in the UCCS Catalog: <u>catalog.uccs.edu</u>
- All course prerequisites designated by the University. Failure to meet course pre-requisites may result in an administrative drop of the course from a student's schedule: 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	Course/Area	Course Title	Credit Hours				
(33 hours)	BIOL 1300/1310	General Biology: Organismic Biology and Lab	4				
	BIOL 1350/1360	General Biology: Introduction to the Cell and Lab	4				
 Requires a minimum of 33 credit hours of BIOL course work 	BIOL 2030/2130	Microbiology and Lab	4				
Hours of BIOL Course work	BIOL 3000	Biology Statistics	3				
 Requires a minimum of 16 credit 	BIOL 3020	Cell Biology	3				
hours of upper-division (3000+ level)	BIOL 3700	General Ecology	3				
BIOL course work.	BIOL 3830	Genetics	3				
	BIOL 4250	Evolution	3				
 All BIOL courses must have a grade of 	Electives	Complete 6 hours of Upper Division (3000+ level) BIOL Electives.	6				
"C-" or better.		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						
	PES 1010/1150	Physics for Life Science I and Lab	5				
		·					
UCCS Teach Courses	UTED 1010	Step I: Inquiry Approaches to Teaching	1				
(32 hours)	UTED 1020	Step II: Inquiry-Based Lesson Design	1				
	UTED 2010	Knowing and Learning in Mathematics and Science	3				
 A grade of "B-" or better must be earned in all Education courses. 	UTED 3020	Classroom Interactions	3				
	UTED 4710	Project-Based Instruction	3				
• Complete all of the courses listed.	UTED 4720	Reading in the Content Area	3				
Courses should be taken in the	UTED 4730	Apprentice Teaching UCCS Teach and Seminar	12				
appropriate semester. See the four-	UTLS 3030	Perspectives on Science and Math					
year plan for details.	UTLS 3040	Science Research Methods	3				

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	its must be HUM 3990 st include GEOL 1010 and PES 1050 or PES 1060				
00 cies – 9 credit hours of which 3 cred iences – 9 credit hours Sciences – 9 credit hours which mus					
iences – 9 credit hours Sciences – 9 credit hours which mus					
NOTE: Cannot select courses from primary major courses for area requirements. One course from each list (see degree audit). All courses that fulfill these requirements may also count towards other general education or major requirements.					
Component manities and Cultures Behavior and Health and Natural World	Course GPS 1010 See Degree Audit See Degree Audit CHEM 1401/1402 HUM 3990 (included in LAS area requirements) UTED 4730 (included in major requirements) 1. HUM 3990 (included in LAS area requirements)				
	e Courses (WIC)				

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.

	\checkmark	FALL	Hours	1	SPRING	Hours
a		GPS 1010	3		ENGL 1410	3
0 0		ENGL 1310	3		BIOL 1350/1360	4
-		BIOL 1300/1310	4		CHEM 1411/1412	5
ea		CHEM 1401/1402	5		UTED 1020	1
~		UTED 1010	1		PES 1050 or PES 1060	3
		TOTAL	16		TOTAL	16

	\checkmark	FALL	Hours	\checkmark	SPRING	Hours
0		BIOL 2030/2130	4		BIOL 3830	3
Š		PES 1010/1150	5		MATH 1330	4
Year T		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

	1	FALL	Hours	\checkmark	SPRING	Hours
e		BIOL 3000	3		BIOL 3700	3
J.C		BIOL 3020	3		BIOL Elective	3
Year Tł		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

	\checkmark	FALL	Hours	\checkmark	SPRING	Hours
Year Four		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.