

ACADEMIC ADVISING

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GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 120 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- Residency: At least 30 credit hours of the 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:

- All academic policies set forth by the University, College, and academic department in the UCCS Catalog: catalog.uccs.edu
- 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 (47 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 47 credit hours of BIOL course work and an additional 23-27 hours of auxiliary coursework. • Requires a minimum of 33 credit hours of upper-division (3000+ level) BIOL course work. • All BIOL and auxiliary courses must be completed with a grade of "C-" or better. • A minimum 2.0 GPA must be maintained in all BIOL course work taken toward the degree. • Biology majors preparing for specific medical school or graduate programs may need to take the two-semester Organic Chemistry series (CHEM 3101/3102 and CHEM 3111/3112) and possibly Physics II with Lab (PES 1120/2160 or PES 1020/2150). Students should consult the requirements of the specific programs that interest them. 	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	
	Upper-Division Biology Electives	<p><i>Complete 24 hours of upper-division (3000+ level) Biology Electives that may include PHIL 4410 (Philosophy of Biology), HPNU 3050 (Human Anatomy), HPNU 3060 (Human Physiology), and/or CHEM 4211 (Biochemistry).</i></p> <p>One Summit/Capstone Experience from the following list of courses must be included in these upper-division electives: BIOL 3750, BIOL 4010, BIOL 4610, BIOL 9499</p> <p>NOTE: A maximum of 6 credit hours of Undergraduate Research (BIOL 9499), Independent Study (BIOL 9400), OR Externships (BIOL 4710) may count towards the major.</p>	24	
	Auxiliary Requirements			
	CHEM 1401/1402	General Chemistry I and Lab I		5
	CHEM 1411/1412	General Chemistry II and Lab II		5
	Organic Chemistry	<p>Complete either the one-semester or two-semester Organic Chemistry sequence below:</p> <p>CHEM 3001/3002 Organic Chemistry and Lab OR CHEM 3101/3102 Organic Chemistry I and Lab I and CHEM 3111/3112 Organic Chemistry II and Lab II</p>		4-8
	MATH 1330 OR MATH 1350	Calculus for Life Sciences Calculus I		4
	Physics	<p><i>Complete either the algebra- or calculus-based Physics sequence listed below:</i></p> <p>Algebra-Based Sequence:</p> <ul style="list-style-type: none"> • PES 1010 & PES 1150 - Physics for Life Science I w/General Lab I <p>Calculus-Based Sequence:</p> <ul style="list-style-type: none"> • PES 1110 & PES 1160 - General Physics I w/Advanced Lab I 		5

General Education and Elective Requirements

Core Writing Requirement (6 hours)	<ul style="list-style-type: none"> ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) ENGL 1410 Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit 	
Reasoning Skills	<ul style="list-style-type: none"> MATH 1330 or 1350 (included in major requirements) BIOL 3000 (included in major requirements) 	
Core Humanities (3 hours)	<ul style="list-style-type: none"> HUM 3990 <ul style="list-style-type: none"> This course also fulfills Navigate and one Writing Intensive course. 	
Natural Sciences Lab	<ul style="list-style-type: none"> CHEM 1402 or CHEM 1412 	
Oral Communication	<ul style="list-style-type: none"> See Degree Audit <ul style="list-style-type: none"> This course may also fulfill general education or major requirements. 	
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 (15 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be taken in departments other than the major. Writing Intensive, Inclusiveness, and Sustainability courses may count toward other requirements within the degree. 	Component	Course
	Gateway Program Seminar	GPS 1010
	Explore – Arts, Humanities and Cultures (2 courses)	See Degree Audit
	Explore – Society, Behavior and Health (2 courses)	See Degree Audit
	Explore – Physical and Natural World (2 courses)	<ul style="list-style-type: none"> CHEM 1401 (included in auxiliary requirements) CHEM 1411 (included in auxiliary requirements)
	Navigate	HUM 3990 (included in LAS gen ed requirements)
	Summit	BIOL Summit Experience (included in major requirements)
	Writing Intensive Courses (WIC) (2 courses) <i>Must include one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> HUM 3990 (included in LAS gen ed requirements) See Degree Audit
Inclusiveness (2 courses: 1 Global and 1 Local)	See Degree Audit	
Sustainability	BIOL 3700	
General Electives (22-26 hours)	Complete additional courses to meet total and upper-division requirements for your degree program.	

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
			ENGL 1310	3		ENGL 1410
		BIOL 1300/1310	4		BIOL 1350/1360	4
		GPS 1010	3		MATH 1330 or 1350	4
		CHEM 1401/1402	5		CHEM 1411/1412	5
		TOTAL	15		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			BIOL 3830	3		BIOL 3020
		CHEM 3001/3002 or 3101/3102	4		BIOL 3700	3
		PES 1010/1150 or 1110/1160	5		CHEM 3111/3112 or General Elective	4
		Explore – Society, Behavior & Health Course	3		General Electives	4
		TOTAL	15		TOTAL	14

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			BIOL 3000	3		UD BIOL Elective
		BIOL 4250	3		UD BIOL Elective	3
		Upper Division (UD) BIOL Elective	3		Explore – Arts, Humanities & Cultures Course	3
		Explore – Arts, Humanities & Cultures Course	3		Explore – Society, Behavior & Health Course	3
		General Elective (<i>Oral Communication</i>)	3		General Elective (<i>Inclusiveness</i>)	3
		TOTAL	15		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			UD BIOL Elective	3		UD BIOL Elective (Summit/Capstone Experience)
		UD BIOL Elective	3		UD BIOL Elective	3
		HUM 3990	3		UD BIOL Elective	3
		UD General Elective (<i>Inclusiveness</i>)	3		UD General Elective	3
		General Elective (<i>Writing Intensive</i>)	3		UD General Elective	3
		TOTAL	15		TOTAL	15