

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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Current UCCS Students

- Appointments: www.uccs.edu/advising/current-students

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

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 Biochemistry: [Degree and Career Information](#) | [Department of Chemistry & Biochemistry \(uccs.edu\)](#)

Major Requirements				
Biochemistry Major (52 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 52 credit hours of CHEM course work and an additional 17 hours of auxiliary coursework. • Requires a minimum of 16 credit hours of upper-division (3000-4999 level) CHEM course work. • All CHEM and auxiliary courses must have a grade of "C" or better. 	CHEM 1401/1402	General Chemistry I and Lab I	5	
	CHEM 1511/1513	General Chemistry for Majors II and Lab II	5	
	CHEM 2201	Introduction to Biochemical Principles	3	
	CHEM 3101	Organic Chemistry I	3	
	CHEM 3103	Organic Chemistry Lab for Biochemistry Majors I	1	
	CHEM 3111	Organic Chemistry II	3	
	CHEM 3113	Organic Chemistry Lab for Biochemistry Majors II	1	
	CHEM 4001/4002	Analytical Chemistry and Lab	4	
	CHEM 4221	Biochemistry I	3	
	CHEM 4222	Biochemistry Laboratory	3	
	CHEM 4231	Biochemistry II	3	
	CHEM 4701	Biophysical Chemistry (spring only)	3	
	CHEM 4921	Biochemistry Capstone	3	
	Electives	<i>Complete 12 hours of upper-division (3000 + level) Chemistry Electives, BIOL 3020, and/or BIOL 3830. Up to 6 hours may be from CHEM 9499.</i>		12
	Auxiliary Requirements			
	BIOL 1350	General Biology: Intro to the Cell		3
	MATH 1330	Calculus for Life Sciences		4
PES 1010/1150	Physics for Life Science I and Lab I - Algebra Based		5	
PES 1020/2150	Physics for Life Science II and Lab II - Algebra Based		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 (included in auxiliary requirements) CHEM 4001 (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"> See Degree Audit <ul style="list-style-type: none"> This can be taken as part of an Explore – PNW course that has a lab component 																				
Oral Communication	<ul style="list-style-type: none"> CHEM 4921 (included in 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. 	<table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <tr> <td>Gateway Program Seminar</td> <td>GPS 1010</td> </tr> <tr> <td>Explore – Arts, Humanities and Cultures (2 courses)</td> <td>See Degree Audit</td> </tr> <tr> <td>Explore – Society, Behavior and Health (2 courses)</td> <td>See Degree Audit</td> </tr> <tr> <td>Explore – Physical and Natural World (2 courses)</td> <td> <ul style="list-style-type: none"> BIOL 1350 (included in auxiliary requirements) MATH 1330 (included in auxiliary requirements) </td> </tr> <tr> <td>Navigate</td> <td>HUM 3990 (included in LAS gen ed requirements)</td> </tr> <tr> <td>Summit</td> <td>CHEM 4921 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) (2 courses)</td> <td> <ul style="list-style-type: none"> HUM 3990 (included in LAS gen ed requirements) See Degree Audit </td> </tr> <tr> <td>Inclusiveness (2 courses: 1 Global and 1 Local)</td> <td>See Degree Audit</td> </tr> <tr> <td>Sustainability</td> <td>See Degree Audit</td> </tr> </tbody> </table>	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"> BIOL 1350 (included in auxiliary requirements) MATH 1330 (included in auxiliary requirements) 	Navigate	HUM 3990 (included in LAS gen ed requirements)	Summit	CHEM 4921 (included in major requirements)	Writing Intensive Courses (WIC) (2 courses)	<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	See Degree Audit
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General Electives (27 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	3
		CHEM 1401/1402	5		CHEM 1511/1513	5
		MATH 1330	4		BIOL 1350	3
		GPS 1010	3		Explore – Society, Behavior and Health Course	3
		TOTAL	15		TOTAL	14

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3103	4		CHEM 2201	3
		PES 1010/1150	5		CHEM 3111/3113	4
		Explore – Arts, Humanities & Cultures Course	3		PES 1020/2150	5
		Explore – Society, Behavior and Health Course	3		Explore – Arts, Humanities & Cultures Course	3
		TOTAL	15		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4222	3
		CHEM 4221	3		CHEM 4231	3
		UD (Upper-Division) CHEM Elective	3		CHEM 4701	3
		General Elective (<i>Writing Intensive</i>)	3		General Elective (<i>Inclusiveness</i>)	3
		General Elective (<i>Inclusiveness</i>)	3		General Elective (<i>Sustainability</i>)	3
	TOTAL	16		TOTAL	15	

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4921	3		UD CHEM Elective	3
		UD CHEM Elective	3		UD CHEM Elective	3
		HUM 3990	3		General Elective	3
		General Elective	3		General Elective	3
		General Elective	3		UD General Elective	3
	TOTAL	15		TOTAL	15	