

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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- 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: 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:

- 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](http://www.uccs.edu/degree-and-career-information) | [Department of Chemistry & Biochemistry \(uccs.edu\)](http://www.uccs.edu/department-of-chemistry-and-biochemistry)

Major Requirements			
Biochemistry Major (58 hours)	Course/Area	Course Title	Credit Hours
<ul style="list-style-type: none"> • Requires a minimum of 58 credit hours of CHEM course work • Requires a minimum of 18 credit hours of upper-division (3000-4999 level) CHEM course work. • Must maintain a minimum 2.0 major GPA (all CHEM courses) to graduate. • All auxiliary requirements must be completed in addition to the required major courses. 	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 3101/3102	Organic Chemistry I and Lab I	4
	CHEM 3111/3112	Organic Chemistry II and Lab II	4
	CHEM 4001/4002	Analytical Chemistry and Lab	4
	CHEM 4221	Biochemistry I	3
	CHEM 4222	Biochemistry Laboratory	3
	CHEM 4231	Biochemistry II	3
	CHEM 4232	Advanced Techniques in Biochemistry	3
	OR CHEM 4502	OR Bioanalytical Techniques	
	CHEM 4261	Advanced Biochemistry	3
	CHEM 4701	Biophysical Chemistry (<i>spring only</i>)	3
	CHEM 4921	Biochemistry Capstone	3
	Electives	Complete 12 hours of upper-division (3000+ level) Chemistry Electives. Up to 6 hours may be from CHEM 4904 and 4905.	12
Auxiliary Requirements			
	BIOL 1350	General Biology II: Intro to the Cell	3
	MATH 1330	Calculus for Life Sciences	4
	PES 1110/1160	General Physics I and Lab	5
	PES 1120/2160	General Physics II and Lab	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 PORT 3000 (0 Credits) – Writing Portfolio 																				
Reasoning Skills (4 hours)	<ul style="list-style-type: none"> MATH 1330 CHEM 4001 																				
Area Requirements (28 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 	<ul style="list-style-type: none"> Humanities – 9 credit hours of which 3 credits must be HUM 3990. Social Sciences – 9 credit hours Natural Sciences – 10 credit hours as listed in auxiliary requirements - PES 1110, PES 1120, PES 1160, PES 2160 <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 (9 hours)	<table> <tr> <th>Component</th><th>Course</th></tr> <tr> <td>Gateway</td><td>GPS 1010</td></tr> <tr> <td>Explore – Arts, Humanities and Cultures</td><td>See Degree Audit</td></tr> <tr> <td>Explore – Society, Behavior and Health</td><td>See Degree Audit</td></tr> <tr> <td>Explore – Physical and Natural World</td><td>BIOL 1350 (included in auxiliary requirements)</td></tr> <tr> <td>Navigate</td><td>HUM 3990 (included in LAS area requirements)</td></tr> <tr> <td>Summit</td><td>CHEM 4921 (included in major requirements)</td></tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td><td> <ul style="list-style-type: none"> HUM 3990 (included in LAS area requirements) CHEM 1513 (included in major requirements) </td></tr> <tr> <td>Inclusiveness</td><td>See Degree Audit</td></tr> <tr> <td>Sustainability</td><td>See Degree Audit</td></tr> </table>	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	BIOL 1350 (included in auxiliary requirements)	Navigate	HUM 3990 (included in LAS area requirements)	Summit	CHEM 4921 (included in major requirements)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> HUM 3990 (included in LAS area requirements) CHEM 1513 (included in major requirements) 	Inclusiveness	See Degree Audit	Sustainability	See Degree Audit
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General Electives (12 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
		MATH 1330	4		CHEM 1511/1513	5
		CHEM 1401/1402	5		BIOL 1350	3
		GPS 1010	3		Explore – Society, Behavior and Health Course	3
		TOTAL	15		TOTAL	14

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3102	4		CHEM 3111/3112	4
		PES 1110/1160	5		PES 1120/2160	5
		Explore – Arts, Humanities & Cultures Course	3		CHEM 2201	3
		Social Science Elective (<i>Global Awareness</i>)	3		Humanities Elective	3
		TOTAL	15		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4222	3
		CHEM 4221	3		CHEM 4231	3
		HUM 3990	3		CHEM 4701	3
		UD (Upper-Division) CHEM Elective	3		UD CHEM Elective	3
		Social Science Elective	3		Humanities Elective	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4232 or CHEM 4502	3		CHEM 4261	3
		CHEM 4921	3		UD CHEM Elective	3
		UD CHEM Elective	3		General Elective	3
		Social Science Elective	3		General Elective (<i>Cultural Diversity</i>)	3
		General Elective (<i>Inclusiveness</i>)	3		General Elective (<i>Sustainability</i>)	3
		TOTAL	15		TOTAL	15