

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [Academic Advising](https://www.uccs.edu/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: 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](https://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](https://www.uccs.edu/degree-and-career-information) | [Department of Chemistry & Biochemistry \(uccs.edu\)](https://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"> <li>• Requires a minimum of 58 credit hours of CHEM course work, and an additional 17 hours of auxiliary coursework.</li> <li>• Requires a minimum of 16 credit hours of upper-division (3000-4999 level) CHEM course work.</li> <li>• All CHEM and auxiliary courses must have a grade of "C" or better.</li> </ul>	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 4232 OR CHEM 4502	Advanced Techniques in Biochemistry OR Bioanalytical Techniques	3
	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

<b>Core Writing Requirement</b> (6 hours)	<ul style="list-style-type: none"> <li>ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>)</li> <li>ENGL 1410</li> <li>PORT 3000 (0 Credits) – Writing Portfolio</li> </ul>	
<b>Reasoning Skills</b> (4 hours)	<ul style="list-style-type: none"> <li>MATH 1330</li> <li>CHEM 4001</li> </ul>	
<b>Area Requirements</b> (28 hours) <ul style="list-style-type: none"> <li>Maximum 2 courses from any one discipline may be applied to the area requirements</li> </ul>	<ul style="list-style-type: none"> <li>Humanities – 9 credit hours of which 3 credits must be HUM 3990.</li> <li>Social Sciences – 9 credit hours</li> <li>Natural Sciences – 10 credit hours as listed in auxiliary requirements - PES 1110, PES 1120, PES 1160, PES 2160</li> </ul> <p><b>NOTE:</b> Cannot select courses from primary major courses for area requirements.</p>	
<b>Oral Communication, Cultural Diversity, and Global Awareness Requirements</b>	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>	
<b>LAS Language other than English Requirement</b>	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>	
<b>Compass Curriculum</b> (9 hours) <ul style="list-style-type: none"> <li>Explore and Navigate courses must be outside major and area requirements</li> <li>Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree</li> </ul>	<b>Component</b>	<b>Course</b>
	<b>Gateway</b>	GPS 1010
	<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit
	<b>Explore – Society, Behavior and Health</b>	See Degree Audit
	<b>Explore – Physical and Natural World</b>	BIOL 1350 (included in auxiliary requirements)
	<b>Navigate</b>	HUM 3990 (included in LAS area requirements)
	<b>Summit</b>	CHEM 4921 (included in major requirements)
	<b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> <li>HUM 3990 (included in LAS area requirements)</li> <li>CHEM 1511 (included in major requirements)</li> </ul>
	<b>Inclusiveness</b>	See Degree Audit
	<b>Sustainability</b>	See Degree Audit
<b>General Electives</b> (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
		<b>TOTAL</b>	15		<b>TOTAL</b>	14

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3103	4		CHEM 3111/3113	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
		<b>TOTAL</b>	15		<b>TOTAL</b>	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
		<b>TOTAL</b>	16		<b>TOTAL</b>	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4232 or CHEM 4502	3		CHEM 4261	3
		CHEM 4921 ( <i>Oral Communication</i> )	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
		<b>TOTAL</b>	15		<b>TOTAL</b>	15