

CHEMISTRY B.A.

Pre-Health/Interdisciplinary Sciences Option

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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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: 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 Chemistry: [Degree and Career Information | Department of Chemistry & Biochemistry \(uccs.edu\)](https://www.uccs.edu/chemistry)

Major Requirements			
BA Chemistry Major (37 hours) <ul style="list-style-type: none">• Requires a minimum of 37 credit hours of CHEM course work, and an additional 17 hours of auxiliary coursework.• Requires a minimum of 16 credit hours of upper-division (3000-4000 level) CHEM course work.• All CHEM and auxiliary courses must have a grade of "C" or better.	Course/Area	Course Title	Credit Hours
	CHEM 1401/1402	General Chemistry I and Lab I	5
	CHEM 1511/1513	General Chemistry for Majors II and Lab II	5
	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 I and Lab	4
	CHEM 4211	Biochemistry Principles	3
	CHEM 4701	Biophysical Chemistry	3
	CHEM 4911	Chemistry Capstone	3
	Electives	Complete 6 hours of Upper-Division (3000+ Level) Chemistry Electives. Up to 6 hours may be from CHEM 4904 and 4905.	6
	Auxiliary Requirements		
	BIOL 1350	General Biology II: Introduction to the Cell	3
	MATH 1330	Calculus for Life Sciences	4
	PES 1010	Physics for Life Science I - Algebra Based	4
	PES 1150	General Physics Lab I - Algebra Based	1
	PES 1020	Physics For Life Science II	4
	PES 2150	Physics Lab II - Algebra Based	1

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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 (7 hours)	<ul style="list-style-type: none"> MATH 1330 (included in auxiliary requirements) CHEM 4001 (included in major requirements) 	
Area Requirements (28 hours) <ul style="list-style-type: none"> Maximum 2 courses from any one discipline may be applied to the area requirements 	<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 1010, PES 1020, PES 1150, PES 2150 <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>	
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 (9 hours) <ul style="list-style-type: none"> Explore and Navigate courses must be outside major and area requirements Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree 	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 4911 (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 1511 (included in major requirements)
	Inclusiveness	See Degree Audit
	Sustainability	See Degree Audit
General Electives (33 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
		GPS 1010	3		Explore – Arts, Humanities & Cultures Course	3
		ENGL 1310	3		ENGL 1410	3
		CHEM 1401/1402	5		CHEM 1511/1513	5
		MATH 1330	4		BIOL 1350	3
		TOTAL	15		TOTAL	14

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3102	4		CHEM 3111/3112	4
		PES 1010/1150	5		PES 1020/2150	5
		Explore – Society, Behavior and Health Course	3		Humanities Elective	3
		General Elective (<i>Global Awareness</i>)	3		General Elective (<i>Writing Intensive</i>)	3
		TOTAL	15		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4701	3
		CHEM 4211	3		HUM 3990	3
		Humanities Elective	3		Social Science Elective	3
		Social Science Elective	3		Social Science Elective	3
		General Elective (<i>Inclusiveness</i>)	3		General Elective (<i>Cultural Diversity</i>)	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4911 (<i>Oral Communication</i>)	3		UD CHEM Elective	3
		Upper Division (UD) CHEM Elective	3		UD General Elective	3
		General Elective (<i>Sustainability</i>)	3		UD General Elective	3
		General Elective	3		UD General Elective	3
		UD General Elective	3		UD General Elective	3
		TOTAL	15		TOTAL	15