

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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

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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 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, 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 I 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 - Calculus Based	5
	PES 1120/2160	General Physics II and Lab - Calculus Based	5

General Education and Elective Requirements

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 1410Writing 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">PES 1160 (included in auxiliary requirements)	
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.	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)	See Degree Audit
	Sustainability	See Degree Audit
General Electives (21 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 3101/3103	4		CHEM 3111/3113	4
		PES 1110/1160	5		PES 1120/2160	5
		Explore – Arts, Humanities & Cultures Course	3		CHEM 2201	3
		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
		HUM 3990	3		CHEM 4701	3
		UD (Upper-Division) CHEM Elective	3		UD CHEM Elective	3
		General Elective (<i>Inclusiveness</i>)	3		General Elective (<i>Inclusiveness</i>)	3
		TOTAL	16		TOTAL	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
		General Elective (<i>Sustainability</i>)	3		General Elective	3
		General Elective (<i>Writing Intensive</i>)	3		General Elective	3
		TOTAL	15		TOTAL	15