

ACADEMIC 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
- 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 \(uccs.edu\)](https://www.uccs.edu/department-of-chemistry-and-biochemistry)

Major Requirements			
Biochemistry Major Pre-Med Option (49 hours) <ul style="list-style-type: none"> • Requires a minimum of 49 credit hours of CHEM course work, and an additional 25 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. 	Course/Area	Course Title	Credit Hours
	CHEM 1401/1402	General Chemistry 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/CHEM 4002	Analytical Chemistry and Lab	4
	CHEM 4201	Current Perspectives in Science and Medicine	3
	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	Complete 6 hours of upper-division (3000+ level) Chemistry Electives. Up to 6 hours may be from CHEM 4904/4905.	6
	Auxiliary Requirements		
	BIOL 1300/1310	General Biology: Organismic Biology and Lab	4
	BIOL 1350/1360	General Biology: Introduction to the Cell and Lab	4
	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
	Ethics Course	Complete one of the following courses: PHIL 3130, 3160 or 3180	3

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 (29 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 – ENGL 1500, HUM 3990, PHIL 3130, 3160 or 3180 Social Sciences – 10 credit hours - PSY 1000, SOC 1110 and one other 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>	
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 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 1511 (included in major requirements)
	Inclusiveness	See Degree Audit
	Sustainability	See Degree Audit
General Electives (15 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
		BIOL 1300/1310	4		BIOL 1350/1360	4
		GPS 1010	3		MATH 1330	4
		TOTAL	15		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3103	4		CHEM 3111/3113	4
		PES 1110/1160	5		PES 1120/2160	5
		PSY 1000	3		CHEM 2201	3
		Explore – Arts, Humanities & Cultures Course	3		SOC 1110	4
		TOTAL	15		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4201	3
		CHEM 4221	3		CHEM 4222	3
		ENGL 1500	3		CHEM 4231	3
		Explore – Society, Behavior and Health Course	3		CHEM 4701	3
		Social Science elective (<i>Global Awareness/Inclusiveness</i>)	3		PHIL 3130, 3160 or 3180	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4921	3		UD CHEM Elective	3
		Upper-Division (UD) CHEM Elective	3		UD General Elective (<i>HPNU 3060 recommended</i>)	3
		UD General Elective (<i>HPNU 3050 recommended</i>)	3		General Elective (<i>UD Stats course recommended</i>)	3
		HUM 3990	3		General Elective (<i>Sustainability</i>)	3
		General Elective (<i>Cultural Diversity</i>)	3			
		TOTAL	15		TOTAL	12