

ACADEMIC ADVISING

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

Major Requirements				
Biochemistry Major Pre-Med Option (52 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 52 credit hours of CHEM course work, and an additional 32 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	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 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	<i>Complete 9 hours of upper-division (3000+ level) Chemistry Electives, BIOL 3020, and/or BIOL 3830. Up to 6 hours may be from CHEM 9499.</i>		9
	Auxiliary Requirements			
	BIOL 1300/1310	General Biology: Organismic Biology and Lab		4
	BIOL 1350/1360	General Biology: Introduction to the Cell and Lab		4
	ENGL 1500	Introduction to Literature for Non-Majors		3
	MATH 1330	Calculus for Life Sciences		4
PES 1010/1150	Physics for Life Science I and Lab I - Algebra Based		5	
PES 1020/2150	Physics for Life Science II and Lab II - Algebra Based		5	
PSY 1000	General Psychology		3	
SOC 1110	Introduction to Sociology		4	

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 Writing 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 1150 (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 (6 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. 	<table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <tr> <td>Gateway Program Seminar</td> <td>GPS 1010</td> </tr> <tr> <td>Explore – Arts, Humanities and Cultures (2 courses)</td> <td> <ul style="list-style-type: none"> See Degree Audit </td> </tr> <tr> <td>Explore – Society, Behavior and Health (2 courses)</td> <td> <ul style="list-style-type: none"> PSY 1000 (included in auxiliary requirements) SOC 1110 (included in auxiliary requirements) </td> </tr> <tr> <td>Explore – Physical and Natural World (2 courses)</td> <td> <ul style="list-style-type: none"> BIOL 1350 (included in auxiliary requirements) MATH 1330 (included in auxiliary requirements) </td> </tr> <tr> <td>Navigate</td> <td>HUM 3990 (included in LAS gen ed requirements)</td> </tr> <tr> <td>Summit</td> <td>CHEM 4921 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) (2 courses)</td> <td> <ul style="list-style-type: none"> HUM 3990 (included in LAS gen ed requirements) PHIL 3130, 3160, or 3180 (included in major requirements) </td> </tr> <tr> <td>Inclusiveness (2 courses: 1 Global and 1 Local)</td> <td>See Degree Audit</td> </tr> <tr> <td>Sustainability</td> <td>See Degree Audit</td> </tr> </tbody> </table>	Component	Course	Gateway Program Seminar	GPS 1010	Explore – Arts, Humanities and Cultures (2 courses)	<ul style="list-style-type: none"> See Degree Audit 	Explore – Society, Behavior and Health (2 courses)	<ul style="list-style-type: none"> PSY 1000 (included in auxiliary requirements) SOC 1110 (included in auxiliary requirements) 	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) PHIL 3130, 3160, or 3180 (included in major requirements) 	Inclusiveness (2 courses: 1 Global and 1 Local)	See Degree Audit	Sustainability	See Degree Audit
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General Electives (24 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
		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 2201
		PES 1010/1150	5		CHEM 3111/3113	4
		PSY 1000	3		PES 1020/2150	5
		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
		CHEM 4221	3		CHEM 4222	3
		HUM 3990	3		CHEM 4231	3
		General Elective (<i>Inclusiveness</i>)	3		CHEM 4701	3
		General Elective	3		General Elective (<i>Inclusiveness</i>)	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4921	3		UD CHEM Elective
		Upper-Division (UD) CHEM Elective	3		UD CHEM Elective	3
		UD General Elective (<i>PHIL 3130, 3160 or 3180 recommended</i>)	3		General Elective (<i>UD Stats course recommended</i>)	3
		General Elective (<i>HPNU 3050 recommended</i>)	3		General Elective (<i>HPNU 3060 recommended</i>)	3
		General Elective (<i>Sustainability</i>)	3			
		TOTAL	15		TOTAL	12