

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

Website: [Academic Advising](http://www.uccs.edu/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 Chemistry: [Degree and Career Information | Department of Chemistry & Biochemistry \(uccs.edu\)](http://www.uccs.edu/department-of-chemistry-and-biochemistry)

Major Requirements				
BS Chemistry Major (56 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 56 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. 	CHEM 1401/1402	General Chemistry I and Lab I	5	
	CHEM 1511/1513	General Chemistry for Majors II and Lab II	5	
	CHEM 3201/3203	Organic Chemistry for Majors I and Lab I	5	
	CHEM 3211/3213	Organic Chemistry for Majors II and Lab II	5	
	CHEM 4001/4002	Analytical Chemistry I and Lab	4	
	CHEM 4011/4012	Instrumental Analysis and Lab	4	
	CHEM 4101	Physical Chemistry: Quantum Mechanics and Molecular Spectroscopy	3	
	CHEM 4102	Experimental Physical Chemistry: Quantum Mechanics and Molecular Spectroscopy	1	
	CHEM 4111	Physical Chemistry: Thermodynamics and Kinetics	3	
	CHEM 4112	Experimental Physical Chemistry: Thermodynamics and Kinetics	1	
	CHEM 4211	Biochemistry Principles	3	
	CHEM 4301	Inorganic Chemistry I	3	
	CHEM 4311	Inorganic Chemistry II	3	
	CHEM 4312	Advanced Inorganic Chemistry Lab	1	
	CHEM 4911	Chemistry Capstone	3	
	Electives	Complete 7 hours of Upper-Division (3000+ level) Chemistry Electives. Up to 6 hours may be from CHEM 9499.	7	
	Auxiliary Requirements			
	BIOL 1350	General Biology: Introduction to the Cell	3	
	MATH 1350	Calculus I	4	
MATH 1360	Calculus II	4		
MATH 2350	Calculus III	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																					
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 1350 (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 4911 (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. 	<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>See Degree Audit</td> </tr> <tr> <td>Explore – Society, Behavior and Health (2 courses)</td> <td>See Degree Audit</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) PES 1110 (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 4911 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) (2 courses) <i>Must include one upper-division (3000+ level)</i></td> <td> <ul style="list-style-type: none"> HUM 3990 (included in LAS gen ed requirements) CHEM 4011 (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)	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) PES 1110 (included in auxiliary requirements) 	Navigate	HUM 3990 (included in LAS gen ed requirements)	Summit	CHEM 4911 (included in major requirements)	Writing Intensive Courses (WIC) (2 courses) <i>Must include one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> HUM 3990 (included in LAS gen ed requirements) CHEM 4011 (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 (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
		MATH 1350	4		MATH 1360	4
		GPS 1010	3		Explore – Arts, Humanities & Cultures Course	3
	TOTAL	15		TOTAL	15	

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3201/3203	5		CHEM 3211/3213	5
		PES 1110/1160	4		PES 1120/2160	5
		MATH 2350	5		BIOL 1350	3
		Explore – Society, Behavior and Health Course	3		Explore – Arts, Humanities & Cultures Course	3
	TOTAL	17		TOTAL	16	

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4011/4012	4
		CHEM 4101	3		CHEM 4111	3
		CHEM 4102	1		CHEM 4112	1
		CHEM 4211	3		General Elective (<i>Inclusiveness</i>)	3
		Explore – Society, Behavior and Health Course	3		General Elective (<i>Inclusiveness</i>)	3
	TOTAL	14		TOTAL	14	

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4301	3		CHEM 4311	3
		CHEM 4911	3		CHEM 4312	1
		Upper-Division (UD) CHEM Elective	3		UD CHEM Elective	4
		HUM 3990	3		General Elective	3
		General Elective (<i>Sustainability</i>)	3		General Elective	3
	TOTAL	15		TOTAL	14	