

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

Website: www.uccs.edu/ad

Connect With Your Advisor

Current UCCS Students

- Appointments: www.uccs.edu/advising/current-students
- Drop In Advising: Most Wednesdays, 1:00pm - 4:00pm

Prospective Students: www.uccs.edu/admissions/contact

GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

1. 120 credit hours
2. 45 upper-division credit hours (3000-4999 level)
3. 2.0 CU cumulative GPA
4. 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:

1. All academic policies set forth by the University, College, and academic department in the UCCS Catalog: catalog.uccs.edu
2. 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.

MAJOR INFORMATION

The Bachelor of Innovation™ (BI) in Chemistry is a cross-disciplinary degree that combines chemistry, engineering, and business. A collaboration between the Department of Chemistry in the College of Letters, Arts, and Sciences, the College of Engineering, and the College of Business, this cutting edge curriculum combines academic studies, technical skills, and professional training to prepare students for a variety of careers in the broad spectrum of the chemical industry. The degree is structured so that students gain a fundamental basis of knowledge and skills in chemistry along with preparation in business law, technology, innovation, and entrepreneurship.

Major Requirements				
Chemistry Major (36 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> • Requires a minimum of 36 credit hours of CHEM course work • Requires a minimum of 16 credit hours of upper-division (3000-4999 level) CHEM course work. • Must maintain a minimum 2.0 major GPA (all CHEM courses) to graduate 	CHEM 1401/1402	General Chemistry I and Lab I	5	
	CHEM 1511/1513	General Chemistry II for Majors and Lab II	5	
	CHEM 3201/3203	Organic Chemistry for Majors I and Lab I	4	
	CHEM 3211/3213	Organic Chemistry for Majors II and Lab II	4	
	CHEM 4001/4002	Analytical Chemistry and Lab	4	
	CHEM 4211	Biochemistry	3	
	CHEM 4701	Biophysical Chemistry	3	
	Electives	Complete 6 hours of Upper Division (3000+ level) Chemistry Electives.	6	
	Auxiliary Requirements			
	BIOL 1350	General Biology II: Introduction to the Cell	3	
MATH 1330	Calculus for Life Science	4		
PES 1110/1160	General Physics I and Lab	5		
BI Innovation Core (24 hours)	BLAW 2010	Business and Intellectual Property Law	3	
	ENTP 1000	Introduction to Entrepreneurship	3	
	ENTP 4500	Entrepreneurship and Strategy	3	
	INOV 1010	The Innovation Process	3	
	INOV 2010	Innovation Team: Analyze and Report	3	
	INOV 2100	Technical Writing, Proposals, and Presentations	3	
	INOV 3010	Innovation Team: Research and Execute	3	
	INOV 4010	Innovation Team: Design and Lead	3	
BI Cross Discipline Core (15 hours)	Complete one of the Cross Discipline Cores listed below. Each Cross Discipline Core consists of 15 credit hours. See the website for specific courses (innovation.uccs.edu) Business Engineering Technology Globalization			

General Education and Elective Requirements																					
Composition (3 hours)	<ol style="list-style-type: none"> ENGL 1310 INOV 2100 PORT 3000 (0 Credits) – Writing Portfolio 																				
Reasoning Skills (4 hours)	<ol style="list-style-type: none"> MATH 1330 CHEM 4001 																				
Area Requirements (27 hours) <ul style="list-style-type: none"> Maximum 2 courses from any one discipline may be applied to the area requirements Courses may not be taken pass/fail 	<ol style="list-style-type: none"> Humanities – 9 credit hours of which 3 credits must be HUM 3990. Social Sciences – 9 credit hours Natural Sciences – BIOL 1350, PES 1110, PES 1160 <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>																				
Compass Curriculum (3 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 	<table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <tr> <td>Gateway</td> <td>GPS 1010</td> </tr> <tr> <td>Explore – Arts, Humanities and Cultures</td> <td>INOV 1010 (included in Innovation requirements)</td> </tr> <tr> <td>Explore – Society, Behavior and Health</td> <td>ENTP 1000 (included in Innovation requirements)</td> </tr> <tr> <td>Explore – Physical and Natural World</td> <td>MATH 1330 (included in Auxiliary requirements)</td> </tr> <tr> <td>Navigate</td> <td>INOV 3010 (included in Innovation requirements)</td> </tr> <tr> <td>Summit</td> <td>ENTP 4500 (included in Innovation requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td> <td> <ol style="list-style-type: none"> INOV 2010 (included in Innovation requirements) INOV 3010 (included in Innovation requirements) </td> </tr> <tr> <td>Inclusiveness</td> <td>INOV 1010 (included in Innovation requirements)</td> </tr> <tr> <td>Sustainability</td> <td>ENTP 1000 (included in Innovation requirements)</td> </tr> </tbody> </table>	Component	Course	Gateway	GPS 1010	Explore – Arts, Humanities and Cultures	INOV 1010 (included in Innovation requirements)	Explore – Society, Behavior and Health	ENTP 1000 (included in Innovation requirements)	Explore – Physical and Natural World	MATH 1330 (included in Auxiliary requirements)	Navigate	INOV 3010 (included in Innovation requirements)	Summit	ENTP 4500 (included in Innovation requirements)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	<ol style="list-style-type: none"> INOV 2010 (included in Innovation requirements) INOV 3010 (included in Innovation requirements) 	Inclusiveness	INOV 1010 (included in Innovation requirements)	Sustainability	ENTP 1000 (included in Innovation requirements)
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General Electives (9 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
		CHEM 1401/1402	5		CHEM 1511/1513	5
		ENTP 1000	3		INOV 1010	3
		GPS 1010	3		PES 1110/1160	5
		MATH 1330	4		ENGL 1310	3
		TOTAL	15		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3201/3203	5		CHEM 3211/3213	5
		BIOL 1350	3		INOV 2100	3
		BLAW 2010	3		INOV 2010 or Cross-Discipline Core Course	3
		INOV 2010 or Cross-Discipline Core Course	3		General Elective	3
	TOTAL	14		TOTAL	14	

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4211	3
		INOV 3010 or Cross-Discipline Core Course	3		INOV 3010 or Cross-Discipline Core Course	3
		HUM 3990	3		Humanities Elective	3
		Social Science Elective	3		Cross-Discipline Core Course	3
		General Elective	3		Upper-Division (UD) Social Science Elective	3
	TOTAL	16		TOTAL	15	

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4701	3		UD CHEM Elective	3
		INOV 4010 or Cross-Discipline Core Course	3		ENTP 4500	3
		Cross-Discipline Core Course	3		INOV 4010 or Cross-Discipline Core Course	3
		Social Science Elective	3		UD Humanities Elective	3
		UD CHEM Elective	3		General Elective	3
	TOTAL	15		TOTAL	15	