

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

Phone: 719.255.3260

Website: www.uccs.edu/advising

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

Chemistry is the science about substances, their composition, structure, properties, and interactions. Chemistry helps explain the world and its workings and plays an important role in our lives. Chemists have contributed a great deal to technical advances of society and have made many important contributions to modern life. Everything is made from one or more chemical elements that occur in nature. Chemists use different kinds of chemical processes to make the elements found in nature more useful, and they create countless products that make our lives healthier, easier, and more enjoyable. There are as many specialties as there are areas of application of chemical principles. Biochemistry is the study of the structure, composition, and chemical reactions of substances in living systems.

Major Requirements				
	Course/Area	Course Title	Credit Hours	
<p>Biochemistry Major (33 hours)</p> <ul style="list-style-type: none"> • Requires a minimum of 33 credit hours of CHEM course work • Requires a minimum of 16 credit hours of upper-division (3000+ level) CHEM course work. • All CHEM courses must have a grade of "C" or better. <p>*Students must contact the department chair in the semester prior to that in which they wish to teach to determine an appropriate lab to teach.</p>	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 3101/3102	Organic Chemistry I and Lab II	4	
	CHEM 3111/3112	Organic Chemistry II and Lab II	4	
	CHEM 4001/4002	Analytical Chemistry and Lab	4	
	CHEM 4211	Biochemistry	3	
	CHEM 4701	Biophysical Chemistry	3	
	Electives	<i>Complete 2 hours of upper-division (3000+ level) Chemistry Electives.</i>	2	
	Auxiliary Requirements			
	BIOL 1350/1360	General Biology: Intro to the Cell & Lab	4	
	GEOL 1010	Physical Geology	4	
	MATH 1330	Calculus for Life Sciences	4	
	PES 1110/1160	General Physics I and Lab I	5	
	PES 1120/2160	General Physics II and Lab II	5	
PES 1050 OR PES 1050	General Astronomy I OR General Astronomy II	3		
<p>UCCS Teach Courses (32 hours)</p> <ul style="list-style-type: none"> • A grade of "B-" or better must be earned in all Education courses. • Courses should be taken in the appropriate semester. See the four-year plan for details. 	UTED 1010	Step I: Inquiry Approaches to Teaching	1	
	UTED 1020	Step II: Inquiry-Based Lesson Design	1	
	UTED 2010	Knowing and Learning in Mathematics and Science	3	
	UTED 3020	Classroom Interactions	3	
	UTED 4710	Project-Based Instruction	3	
	UTED 4720	Reading in the Content Area	3	
	UTED 4730	Apprentice Teaching UCCS Teach and Seminar	12	
	UTLS 3030	Perspectives on Science and Math	3	
	UTLS 3040	Science Research Methods	3	

General Education and Elective Requirements

Composition (6 hours)	1. ENGL 1310 2. ENGL 1410 3. PORT 3000 (0 Credits) – Writing Portfolio																				
Reasoning Skills (4 hours)	1. MATH 1330 2. CHEM 4001																				
Area Requirements (28 hours) • Maximum 2 courses from any one discipline may be applied to the area requirements • Courses may not be taken pass/fail	1. Humanities – 9 credit hours of which 3 credits must be HUM3990. 2. Social Sciences – 9 credit hours 3. Natural Sciences – as listed in course requirements PES 1110, PES 1120, PES 1160, PES 2160 NOTE: Cannot select courses from primary major courses for area requirements.																				
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 (12 hours) • 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>See Degree Audit</td> </tr> <tr> <td>Explore – Society, Behavior and Health</td> <td>PSY 1000</td> </tr> <tr> <td>Explore – Physical and Natural World</td> <td>BIOL 1350</td> </tr> <tr> <td>Navigate</td> <td>HUM 3990 (included in LAS area requirements)</td> </tr> <tr> <td>Summit</td> <td>UTED 4730 (included in major requirements)</td> </tr> <tr> <td>Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i></td> <td>1. HUM 3990 (included in LAS area requirements) 2. See Degree Audit</td> </tr> <tr> <td>Inclusiveness</td> <td>See Degree Audit</td> </tr> <tr> <td>Sustainability</td> <td>See Degree Audit</td> </tr> </tbody> </table>	Component	Course	Gateway	GPS 1010	Explore – Arts, Humanities and Cultures	See Degree Audit	Explore – Society, Behavior and Health	PSY 1000	Explore – Physical and Natural World	BIOL 1350	Navigate	HUM 3990 (included in LAS area requirements)	Summit	UTED 4730 (included in major requirements)	Writing Intensive Courses (WIC) <i>Two courses with one upper-division (3000+ level)</i>	1. HUM 3990 (included in LAS area requirements) 2. See Degree Audit	Inclusiveness	See Degree Audit	Sustainability	See Degree Audit
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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
			GPS 1010	3		ENGL 1410
		ENGL 1310	3		CHEM 1511/1513	5
		CHEM 1401/1402	5		MATH 1330	4
		UTED 1010	1		UTED 1020	1
		Explore – Arts, Humanities & Cultures Course	3		Social Science Elective	3
		TOTAL	15		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 3101/3102	4		CHEM 3111/3112
		PES 1110/1160	5		PES 1120/2160	5
		UTED 2010	3		UTED 3020	3
		Social Science Elective	3		CHEM 2201	3
		TOTAL	15		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4001/4002	4		UTLS 3030 (Spring Only)
		UTLS 3040 (Fall Only)	3		UTED 4710	3
		HUM 3990	3		BIOL 1350/1360	4
		PES 1050 OR PES 1060	3		GEOL 1010	4
		PSY 1000	3			
		TOTAL	16		TOTAL	14

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4211	3		UTED 4730
		UTED 4720	3		CHEM 4701	3
		Upper-Division CHEM Electives	2			
		Humanities Elective	3			
		Social Science Elective	3			
		TOTAL	14		TOTAL	15

NOTE: Students must complete all course requirements other than UTED 4730 before the final semester.