

## ACADEMIC ADVISING

### Partnering with students to successfully navigate college

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [www.uccs.edu/advising](http://www.uccs.edu/advising)

### Connect With Your Advisor

Current UCCS Students

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

Prospective Students: [www.uccs.edu/admissions/contact](http://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](http://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.

Major Requirements				
Chemistry Major (33 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> <li>• Requires a minimum of 33 credit hours of CHEM course work</li> <li>• Requires a minimum of 16 credit hours of upper-division (3000+ level) CHEM course work.</li> <li>• All CHEM courses must have a grade of "C" or better.</li> </ul> <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 II for Majors and Lab I	5	
	CHEM 3201/CHEM 3203	Organic Chemistry I for Majors and Lab I	5	
	CHEM 3211/CHEM 3213	Organic Chemistry II for Majors and Lab I	5	
	CHEM 4001/CHEM 4002	Analytical Chemistry and Lab	4	
	CHEM 4211	Biochemistry	3	
	CHEM 4701	Biophysical Chemistry	3	
	Electives	<i>Complete 3 hours of Upper Division (3000+ level) CHEM Electives.</i>	3	
	<b>Auxiliary Requirements</b>			
	BIOL 1350/1360	General Biology: Introduction to the Cell and 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 1060	General Astronomy I General Astronomy II	3		
<b>UCCS Teach Courses</b> (32 hours)	UTED 1010	Step I: Inquiry Approaches to Teaching	1	
<ul style="list-style-type: none"> <li>• A grade of "B-" or better must be earned in all Education courses.</li> <li>• Courses should be taken in the appropriate semester. See the four-year plan for details.</li> </ul>	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

<b>Composition</b> (6 hours)	1. ENGL 1310 2. ENGL 1410 3. PORT 3000 (0 Credits) – Writing Portfolio	
<b>Reasoning Skills</b> (4 hours)	1. MATH 1330 2. CHEM 4001	
<b>Area Requirements</b> (27 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 which must include PSY 1000 3. Natural Sciences – as listed in course requirements PES 1110, PES 1120, PES 1160, PES 2160  <b>NOTE:</b> Cannot select courses from primary major courses for area requirements.	
<b>Oral Communication, Cultural Diversity, and Global Awareness Requirements</b>	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>	
<b>Compass Curriculum</b> (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	<b>Component</b>	<b>Course</b>
	<b>Gateway</b>	GPS 1010
	<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit
	<b>Explore – Society, Behavior and Health</b>	See Degree Audit
	<b>Explore – Physical and Natural World</b>	BIOL 1350/1360
	<b>Navigate</b>	HUM 3990 (included in LAS area requirements)
	<b>Summit</b>	UTED 4730 (included in major requirements)
	<b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i>	1. HUM 3990 (included in LAS area requirements) 2. CHEM 1513
<b>Inclusiveness</b>	See Degree Audit	
<b>Sustainability</b>	See Degree Audit	

## 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
		GPS 1010	3		MATH 1330	4
		UTED 1010	1		UTED 1020	1
		Explore – Arts, Humanities & Cultures Course	3		BIOL 1350/1360	4
		<b>TOTAL</b>	15		<b>TOTAL</b>	17

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 3201/3203	5		CHEM 3211/3213
		PES 1110/1160	5		PES 1120/2160	5
		UTED 2010	3		UTED 3020	3
		Explore – Society, Behavior & Health Course	3		PSY 1000	3
		<b>TOTAL</b>	16		<b>TOTAL</b>	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4001/4002	4		GEOL 1010
		Upper Division (UD) CHEM Elective	3		UTLS 3030 (Spring Only)	3
		UTLS 3040 (Fall Only)	3		UTED 4710	3
		HUM 3990	3		Humanities Elective	3
		PES 1050 or 1060	3			
		<b>TOTAL</b>	16		<b>TOTAL</b>	13

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4211	3		UTED 4730
		CHEM 4701	3		Social Science Elective	3
		UTED 4720	3			
		Social Science Elective	3			
		Humanities Elective	3			
		<b>TOTAL</b>	15		<b>TOTAL</b>	15

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