

## ACADEMIC ADVISING

### Partnering with students to successfully navigate college

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [Academic Advising](https://www.uccs.edu/advising)

### Connect With Your Advisor

Current UCCS Students

- Appointments: [www.uccs.edu/advising/current-students](https://www.uccs.edu/advising/current-students)

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

## GENERAL ACADEMIC INFORMATION

### Minimum Graduation Requirements

1. 121 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](https://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.

## DEGREE REQUIREMENTS

Explore Biochemistry: [Degree and Career Information](https://www.uccs.edu/degree-and-career-information) | [Department of Chemistry & Biochemistry \(uccs.edu\)](https://www.uccs.edu/department-of-chemistry-biochemistry)

Major Requirements			
Biochemistry 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 and an additional 25 hours of auxiliary course work.</li> <li>Requires a minimum of 16 credit hours of upper-division (3000+ level) CHEM course work.</li> <li>All CHEM and auxiliary courses must have a grade of "C" or better.</li> </ul>	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	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 4211	Biochemistry	3
	CHEM 4701	Biophysical Chemistry	3
<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>	Electives	Complete 2 hours of upper-division (3000+ level) Chemistry Electives.	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 1060	General Astronomy I OR General Astronomy II	3
	UCCS Teach Courses		
	UTED 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3
<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 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>Core Writing Requirement</b> (6 hours)	<ul style="list-style-type: none"> <li>ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>)</li> <li>ENGL 1410</li> <li>PORT 3000 (0 Credits) – Writing Portfolio</li> </ul>																				
<b>Reasoning Skills</b>	<ul style="list-style-type: none"> <li>MATH 1330 (included in auxiliary requirements)</li> <li>CHEM 4001 (included in major requirements)</li> </ul>																				
<b>Area Requirements</b> (18 hours) <ul style="list-style-type: none"> <li>Maximum 2 courses from any one discipline may be applied to the area requirements</li> </ul>	<ul style="list-style-type: none"> <li>Humanities – 9 credit hours of which 3 credits must be HUM 3990.</li> <li>Social Sciences – 9 credit hours</li> <li>Natural Sciences – 10 credit hours as listed in course requirements PES 1110, PES 1120, PES 1160, PES 2160</li> </ul> <p><b>NOTE:</b> Cannot select courses from primary major courses for area requirements.</p>																				
<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>LAS Language other than English Requirement</b>	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>																				
<b>Compass Curriculum</b> (6 hours) <ul style="list-style-type: none"> <li>Explore and Navigate courses must be outside major and area requirements</li> <li>Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree</li> </ul>	<table> <tr> <th>Component</th><th>Course</th></tr> <tr> <td><b>Gateway</b></td><td>GPS 1010</td></tr> <tr> <td><b>Explore – Arts, Humanities and Cultures</b></td><td>See Degree Audit</td></tr> <tr> <td><b>Explore – Society, Behavior and Health</b></td><td>UTED 1030</td></tr> <tr> <td><b>Explore – Physical and Natural World</b></td><td>BIOL 1350/1360 (included in auxiliary requirements)</td></tr> <tr> <td><b>Navigate</b></td><td>HUM 3990 (included in LAS area requirements)</td></tr> <tr> <td><b>Summit</b></td><td>UTED 4730 (included in major requirements)</td></tr> <tr> <td><b>Writing Intensive Courses (WIC)</b> <i>Two courses with one upper-division (3000+ level)</i></td><td>           1. HUM 3990 (included in LAS area requirements)            2. UTED 4720 (included in major requirements)         </td></tr> <tr> <td><b>Inclusiveness</b></td><td>See Degree Audit</td></tr> <tr> <td><b>Sustainability</b></td><td>See Degree Audit</td></tr> </table>	Component	Course	<b>Gateway</b>	GPS 1010	<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit	<b>Explore – Society, Behavior and Health</b>	UTED 1030	<b>Explore – Physical and Natural World</b>	BIOL 1350/1360 (included in auxiliary requirements)	<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. UTED 4720 (included in major requirements)	<b>Inclusiveness</b>	See Degree Audit	<b>Sustainability</b>	See Degree Audit
Component	Course																				
<b>Gateway</b>	GPS 1010																				
<b>Explore – Arts, Humanities and Cultures</b>	See Degree Audit																				
<b>Explore – Society, Behavior and Health</b>	UTED 1030																				
<b>Explore – Physical and Natural World</b>	BIOL 1350/1360 (included in auxiliary requirements)																				
<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. UTED 4720 (included in major requirements)																				
<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	3
		CHEM 1401/1402	5		CHEM 1511/1513	5
		GPS 1010	3		MATH 1330	4
		UTED 1030	3		Explore – Arts, Humanities & Cultures Course	3
		<b>TOTAL</b>	14		<b>TOTAL</b>	15

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3103	4		CHEM 3111/3113	4
		PES 1110/1160	5		CHEM 2201	3
		UTED 2010	3		PES 1120/2160	5
		BIOL 1350/1360	4		UTED 3020 ( <i>Oral Communication</i> )	3
		<b>TOTAL</b>	16		<b>TOTAL</b>	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4211	3		CHEM 4701 ( <i>Spring Only</i> )	3
		CHEM 4001/4002	4		UTLS 3030 ( <i>Spring Only</i> )	3
		UTLS 3040 ( <i>Fall Only</i> )	3		UTED 4710	3
		HUM 3990	3		PES 1050 or PES 1060	3
		Social Science Elective ( <i>Global Awareness</i> )	3		Humanities Elective ( <i>Cultural Diversity</i> )	3
					Social Science Elective ( <i>Inclusiveness</i> )	3
		<b>TOTAL</b>	16		<b>TOTAL</b>	18

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		Upper-Division CHEM Electives	2		UTED 4730	12
		UTED 4720	3			
		GEOL 1010	4			
		Humanities Elective	3			
		Social Science Elective ( <i>Sustainability</i> )	3			
		<b>TOTAL</b>	15		<b>TOTAL</b>	12

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