

ACADEMIC ADVISING

Partnering with students to successfully navigate college

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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
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 Chemistry: [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-and-biochemistry)

Major Requirements			
Chemistry Major (33 hours)	Course/Area	Course Title	Credit Hours
<ul style="list-style-type: none"> Requires a minimum of 33 credit hours of CHEM course work and an additional 25 hours of auxiliary course work. Requires a minimum of 16 credit hours of upper-division (3000+ level) CHEM course work. All CHEM and auxiliary 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 3201/CHEM 3203	Organic Chemistry for Majors I and Lab I	5
	CHEM 3211/CHEM 3213	Organic Chemistry for Majors II and Lab II	5
	CHEM 4001/CHEM 4002	Analytical Chemistry and Lab	4
	CHEM 4211	Biochemistry	3
	CHEM 4701	Biophysical Chemistry	3
	Electives	Complete 3 hours of Upper Division (3000+ level) CHEM Electives.	3
	Auxiliary Requirements		
	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
UCCS Teach Courses (33 hours)			
<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 1030	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science	3
	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

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 PORT 3000 (0 Credits) – Writing Portfolio 	
Reasoning Skills	<ul style="list-style-type: none"> MATH 1330 (included in auxiliary requirements) CHEM 4001 (included in major requirements) 	
Area Requirements (18 hours) <ul style="list-style-type: none"> Maximum 2 courses from any one discipline may be applied to the area requirements 	<ul style="list-style-type: none"> Humanities – 9 credit hours of which 3 credits must be HUM 3990. Social Sciences – 9 credit hours which must include PSY 1000 Natural Sciences – 7 credit hours to include GEOL 1010 and PES 1050 or 1060 <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>	
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 (6 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 	Component	Course
	Gateway	GPS 1010
	Explore – Arts, Humanities and Cultures	See Degree Audit
	Explore – Society, Behavior and Health	UTED 1030
	Explore – Physical and Natural World	BIOL 1350/1360
	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. UTED 4720 (included in major requirements)
	Inclusiveness	See Degree Audit
	Sustainability	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		BIOL 1350/1360	4
		TOTAL	14		TOTAL	16

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3201/3203	5		CHEM 3211/3213	5
		PES 1110/1160	5		PES 1120/2160	5
		UTED 2010	3		UTED 3020 (<i>Oral Communication</i>)	3
		Explore – Arts, Humanities & Cultures Course	3		Social Science Elective	3
		TOTAL	16		TOTAL	16

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4211	3		CHEM 4701 (Spring Only)	3
		CHEM 4001/4002	4		UTLS 3030 (Spring Only)	3
		Upper Division (UD) CHEM Elective	3		UTED 4710	3
		UTLS 3040 (Fall Only)	3		Humanities Elective	3
		PES 1050 or 1060	3		Social Science Elective (<i>Global Awareness/Inclusiveness</i>)	3
		TOTAL	16		TOTAL	15

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		GEOL 1010	4		UTED 4730	12
		UTED 4720	3			
		HUM 3990	3			
		Humanities Elective (<i>Cultural Diversity</i>)	3			
		Social Science Elective (<i>Sustainability</i>)	3			
		TOTAL	16		TOTAL	12

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