

ACADEMIC ADVISING

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GENERAL ACADEMIC INFORMATION

Minimum Graduation Requirements

- 122 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- Residency: At least 30 credit hours of the 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:

- All academic policies set forth by the University, College, and academic department in the UCCS Catalog: catalog.uccs.edu
- 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](http://www.uccs.edu/degree-and-career-information) | [Department of Chemistry & Biochemistry \(uccs.edu\)](http://www.uccs.edu/department-of-chemistry-and-biochemistry)

Major Requirements			
Biochemistry Major (33 hours)	Course/Area	Course Title	Credit Hours
• 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.	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
*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.	Electives	Complete 2 hours of upper-division (3000+ level) Chemistry Electives, BIOL 3020, and/or BIOL 3830.	2
	Auxiliary Requirements		
	ASTR 1050 or ASTR 1060	Astronomy of the Solar System or Astronomy of the Universe	3
	BIOL 1350/1360	General Biology: Intro to the Cell & Lab	4
	GEOL 1010	Physical Geology	4
	MATH 1330	Calculus for Life Sciences	4
	PES 1010/1150	Physics for Life Science I and Lab I - Algebra Based	5
	PES 1020/2150	Physics for Life Science II and Lab II - Algebra Based	5
Secondary Education - STEM Courses (37 hours)	Education Core Courses		
• Requires a minimum of 37 credit hours of required Education course work with grades of "B-" or better. *NOTE: UTED 1030 should be the first Education course taken in the sequence.	UTED 1030*	Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching	3
	EDUC 1000	Intro to Inclusive Education	3
	EDUC 2000	Intro to Educational Psychology	3
	EDUC 2700	Schools, Society, & Diversity	3
	EDUC 3800	ESL for Educators	3
	UTED 3020	Classroom Interactions (spring only)	3
	UTED 4710	Project-Based Instruction	4
	UTED 4720	Reading in the Content Area	3
	EDUC 4950	Secondary – Student Teaching	12

General Education and Elective Requirements		
Core Writing Requirement (6 hours)	- ENGL 1310, 1308, or 1305 (<i>Students choosing ENGL 1305 must complete ENGL 1300 first.</i>) - ENGL 1410 - Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit	
Reasoning Skills	- MATH 1330 (included in auxiliary requirements) - CHEM 4001 (included in major requirements)	
Core Humanities (3 hours)	- HUM 3990 - This course also fulfills Navigate and one Writing Intensive course.	
Natural Sciences Lab	GEOL 1010 (included in auxiliary requirements)	
Oral Communication	UTED 4730 (<i>Apprentice Teaching</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 (12 hours) - Explore and Navigate courses must be taken in departments other than the major. - Writing Intensive, Inclusiveness, and Sustainability courses may count toward other requirements within the degree.	Component	Course
	Gateway Program Seminar	GPS 1010
	Explore – Arts, Humanities and Cultures (2 courses)	See Degree Audit
	Explore – Society, Behavior and Health (2 courses)	- UTED 1030 (included in UCCS Teach requirements) - See Degree Audit
	Explore – Physical and Natural World (2 courses)	- BIOL 1350 (included in auxiliary requirements) - GEOL 1010 (included in auxiliary requirements)
	Navigate	HUM 3990 (included in LAS gen ed requirements)
	Summit	UTED 4730 (included in UCCS Teach requirements)
	Writing Intensive Courses (WIC) (2 courses) <i>Must include one upper-division (3000+ level)</i>	- HUM 3990 (included in LAS gen ed requirements) - UTED 4720 (included in UCCS Teach requirements)
	Inclusiveness (2 courses: 1 Global and 1 Local)	See Degree Audit
	Sustainability	See Degree Audit
General Electives (6 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
		ENGL 1310	3		ENGL 1410	3
		CHEM 1401/1402	5		CHEM 1511/1513	5
		GPS 1010	3		MATH 1330	4
		UTED 1030	3		EDUC 2000	3
		Explore – Arts, Humanities & Cultures	3			
		TOTAL	17		TOTAL	15

Year Two	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 3101/3103	4		CHEM 2201	3
		PES 1010/1150	5		CHEM 3111/3113	4
		EDUC 1000	3		PES 1020/2150	5
		BIOL 1350/1360	4		EDUC 2700	3
		TOTAL	16		TOTAL	15

Year Three	✓	FALL	Hours	✓	SPRING	Hours
		CHEM 4001/4002	4		CHEM 4701 (<i>spring only</i>)	3
		CHEM 4211	3		UTED 3020 (<i>spring only</i>)	3
		EDUC 3800	3		UTED 4710	4
		HUM 3990	3		ASTR 1050 or ASTR 1060	3
		Explore – Social, Behavior and Health Course	3		Explore – Arts, Humanities & Cultures (<i>Inclusiveness</i>)	3
		TOTAL	16		TOTAL	16

Year Four	✓	FALL	Hours	✓	SPRING	Hours
		Upper-Division CHEM Electives	2		EDUC 4950	12
		UTED 4720	3			
		GEOL 1010	4			
		General Elective (<i>Inclusiveness</i>)	3			
		General Elective (<i>Sustainability</i>)	3			
		TOTAL	15		TOTAL	12

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