

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [Academic Advising](http://www.uccs.edu/academic-advising)

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

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## GENERAL ACADEMIC INFORMATION

### Minimum Graduation Requirements

- 120 credit hours
- 45 upper-division credit hours (3000-4999 level)
- 2.0 CU cumulative GPA
- 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:

- All academic policies set forth by the University, College, and academic department in the UCCS Catalog: [catalog.uccs.edu](http://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 Chemistry: [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				
BS Chemistry Major (56 hours)	Course/Area	Course Title	Credit Hours	
<ul style="list-style-type: none"> <li>• Requires a minimum of 56 credit hours of CHEM course work and an additional 25 hours of auxiliary coursework.</li> <li>• Requires a minimum of 16 credit hours of upper-division (3000-4999 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 3201/3203	Organic Chemistry for Majors I and Lab I	5	
	CHEM 3211/3213	Organic Chemistry for Majors II and Lab II	5	
	CHEM 4001/4002	Analytical Chemistry I and Lab	4	
	CHEM 4011/4012	Instrumental Analysis and Lab	4	
	CHEM 4101	Physical Chemistry: Quantum Mechanics and Molecular Spectroscopy	3	
	CHEM 4102	Experimental Physical Chemistry: Quantum Mechanics and Molecular Spectroscopy	1	
	CHEM 4111	Physical Chemistry: Thermodynamics and Kinetics	3	
	CHEM 4112	Experimental Physical Chemistry: Thermodynamics and Kinetics	1	
	CHEM 4211	Biochemistry Principles	3	
	CHEM 4301	Inorganic Chemistry I	3	
	CHEM 4311	Inorganic Chemistry II	3	
	CHEM 4312	Advanced Inorganic Chemistry Lab	1	
	CHEM 4911	Chemistry Capstone	3	
	Electives	Complete 7 hours of Upper-Division (3000+ level) Chemistry Electives. Up to 6 hours may be from CHEM 4904 and 4905.	7	
	<b>Auxiliary Requirements</b>			
	BIOL 1350	General Biology: Introduction to the Cell	3	
	MATH 1350	Calculus I	4	
	MATH 1360	Calculus II	4	
MATH 2350	Calculus III	4		
PES 1110/1160	General Physics I and Lab - Calculus Based	5		
PES 1120/2160	General Physics II and Lab - Calculus Based	5		

## 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 1350 (included in auxiliary requirements)</li> <li>CHEM 4001 (included in major requirements)</li> </ul>	
<b>Core Humanities</b> (3 hours)	<ul style="list-style-type: none"> <li>HUM 3990                             <ul style="list-style-type: none"> <li>This course also fulfills Navigate and one Writing Intensive course.</li> </ul> </li> </ul>	
<b>Natural Sciences Lab</b>	<ul style="list-style-type: none"> <li>PES 1160 (included in auxiliary requirements)</li> </ul>	
<b>Oral Communication</b>	<ul style="list-style-type: none"> <li>CHEM 4911 (included in major requirements)</li> </ul>	
<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> (15 hours) <ul style="list-style-type: none"> <li>Explore and Navigate courses must be outside major requirements</li> <li>Writing Intensive, Inclusiveness, and Sustainability courses can count towards other requirements within degree</li> </ul>	<b>Component</b>	<b>Course</b>
	<b>Gateway Program Seminar</b>	GPS 1010
	<b>Explore – Arts, Humanities and Cultures (2 courses)</b>	See Degree Audit
	<b>Explore – Society, Behavior and Health (2 courses)</b>	See Degree Audit
	<b>Explore – Physical and Natural World (2 courses)</b>	<ul style="list-style-type: none"> <li>BIOL 1350 (included in auxiliary requirements)</li> <li>MATH 1350 (included in auxiliary requirements)</li> </ul>
	<b>Navigate</b>	HUM 3990 (included in LAS gen ed requirements)
	<b>Summit</b>	CHEM 4911 (included in major requirements)
	<b>Writing Intensive Courses (WIC) (2 courses)</b> <i>Must include one upper-division (3000+ level)</i>	<ul style="list-style-type: none"> <li>HUM 3990 (included in LAS gen ed requirements)</li> <li>CHEM 4011 (included in major requirements)</li> </ul>
<b>Inclusiveness (2 courses)</b>	See Degree Audit	
<b>Sustainability</b>	See Degree Audit	
<b>General Electives</b> (15 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
		CHEM 1401/1402	5		CHEM 1511/1513	5
		MATH 1350	4		MATH 1360	4
		GPS 1010	3		Explore – Arts, Humanities & Cultures Course	3
		<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>

Year Two	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 3201/3203	5		CHEM 3211/3213
		PES 1110/1160	4		PES 1120/2160	5
		MATH 2350	5		BIOL 1350	3
		Explore – Society, Behavior and Health Course	3		Explore – Arts, Humanities & Cultures Course	3
		<b>TOTAL</b>	<b>17</b>		<b>TOTAL</b>	<b>16</b>

Year Three	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4001/4002	4		CHEM 4011/4012
		CHEM 4101	3		CHEM 4111	3
		CHEM 4102	1		CHEM 4112	1
		CHEM 4211	3		General Elective ( <i>Inclusiveness</i> )	3
		Explore – Society, Behavior and Health Course	3		General Elective ( <i>Inclusiveness</i> )	3
		<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>14</b>

Year Four	✓	FALL	Hours	✓	SPRING	Hours
			CHEM 4301	3		CHEM 4311
		CHEM 4911	3		CHEM 4312	1
		Upper-Division (UD) CHEM Elective	3		UD CHEM Elective	4
		HUM 3990	3		General Elective	3
		General Elective ( <i>Sustainability</i> )	3		General Elective	3
		<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>14</b>