

ACADEMIC ADVISING

Partnering with students to successfully navigate college

Location: Main Hall 208

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

| Major Requirements | | | |
|--|------------------------|---|--------------|
| BS Chemistry Major (56 hours) <ul style="list-style-type: none"> • Requires a minimum of 56 credit hours of CHEM course work and an additional 25 hours of auxiliary coursework. • Requires a minimum of 16 credit hours of upper-division (3000-4999 level) CHEM course work. • All CHEM and auxiliary courses must have a grade of "C" or better. | Course/Area | Course Title | Credit Hours |
| | 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 |
| | Auxiliary Requirements | | |
| | 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

| 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 1410Writing Portfolio – PORT 3000 (0 credits) or PORT 4000 (1 credit) or alternative – See Degree Audit | |
| Reasoning Skills | <ul style="list-style-type: none">MATH 1350 (included in auxiliary requirements)CHEM 4001 (included in major requirements) | |
| Core Humanities (3 hours) | <ul style="list-style-type: none">HUM 3990<ul style="list-style-type: none">This course also fulfills Navigate and one Writing Intensive course. | |
| Natural Sciences Lab | <ul style="list-style-type: none">PES 1160 (included in auxiliary requirements) | |
| Oral Communication | <ul style="list-style-type: none">CHEM 4911 (included in major requirements) | |
| 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 (15 hours) <ul style="list-style-type: none">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) | See Degree Audit |
| | Explore – Physical and Natural World (2 courses) | <ul style="list-style-type: none">BIOL 1350 (included in auxiliary requirements)PES 1110 (included in auxiliary requirements) |
| | Navigate | HUM 3990 (included in LAS gen ed requirements) |
| | Summit | CHEM 4911 (included in major requirements) |
| | Writing Intensive Courses (WIC) (2 courses) <i>Must include one upper-division (3000+ level)</i> | <ul style="list-style-type: none">HUM 3990 (included in LAS gen ed requirements)CHEM 4011 (included in major requirements) |
| | Inclusiveness (2 courses) | See Degree Audit |
| | Sustainability | See Degree Audit |
| General Electives (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 | 3 |
| | | CHEM 1401/1402 | 5 | | CHEM 1511/1513 | 5 |
| | | MATH 1350 | 4 | | MATH 1360 | 4 |
| | | GPS 1010 | 3 | | Explore – Arts, Humanities & Cultures Course | 3 |
| | | TOTAL | 15 | | TOTAL | 15 |

| Year Two | ✓ | FALL | Hours | ✓ | SPRING | Hours |
|----------|---|---|-------|---|--|-------|
| | | CHEM 3201/3203 | 5 | | CHEM 3211/3213 | 5 |
| | | 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 |
| | | TOTAL | 17 | | TOTAL | 16 |

| Year Three | ✓ | FALL | Hours | ✓ | SPRING | Hours |
|------------|---|---|-------|---|---|-------|
| | | CHEM 4001/4002 | 4 | | CHEM 4011/4012 | 4 |
| | | 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 |
| | | TOTAL | 14 | | TOTAL | 14 |

| Year Four | ✓ | FALL | Hours | ✓ | SPRING | Hours |
|-----------|---|--|-------|---|------------------|-------|
| | | CHEM 4301 | 3 | | CHEM 4311 | 3 |
| | | 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 |
| | | TOTAL | 15 | | TOTAL | 14 |