

## 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)

**Connect With Your Advisor**

Current UCCS Students

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

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

## 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 Biochemistry: [Degree and Career Information](#) | [Department of Chemistry & Biochemistry \(uccs.edu\)](#)

| Major Requirements  |   |  |              |    |
|---|---|--|--------------|----|
| Biochemistry Major (58 hours)   | Course/Area                                 | Course Title   | Credit Hours |    |
| <ul style="list-style-type: none"> <li>• Requires a minimum of 58 credit hours of CHEM course work, and an additional 17 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 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 I and Lab   | 4            |    |
|   | CHEM 4221                                   | Biochemistry I   | 3            |    |
|   | CHEM 4222                                   | Biochemistry Laboratory  | 3            |    |
|   | CHEM 4231                                   | Biochemistry II  | 3            |    |
|   | CHEM 4232                                   | Advanced Techniques in Biochemistry  | 3            |    |
|   | <b>OR</b><br>CHEM 4502                      | <b>OR</b><br>Bioanalytical Techniques  |              |    |
|   | CHEM 4261                                   | Advanced Biochemistry  | 3            |    |
|   | CHEM 4701                                   | Biophysical Chemistry ( <i>spring only</i> )   | 3            |    |
|   | CHEM 4921                                   | Biochemistry Capstone  | 3            |    |
|   | Electives                                   | Complete 12 hours of upper-division (3000+ level) Chemistry Electives. Up to 6 hours may be from CHEM 4904 and 4905. |              | 12 |
|   | <b>Auxiliary Requirements</b>               |  |              |    |
|   | BIOL 1350                                   | General Biology II: Intro to the Cell  |              | 3  |
|   | MATH 1330                                   | Calculus for Life Sciences   |              | 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><br>(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>Core Humanities</b><br>(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 4921 (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><br>(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> | <table border="1"> <thead> <tr> <th>Component</th> <th>Course</th> </tr> </thead> <tbody> <tr> <td><b>Gateway Program Seminar</b></td> <td>GPS 1010</td> </tr> <tr> <td><b>Explore – Arts, Humanities and Cultures (2 courses)</b></td> <td>See Degree Audit</td> </tr> <tr> <td><b>Explore – Society, Behavior and Health (2 courses)</b></td> <td>See Degree Audit</td> </tr> <tr> <td><b>Explore – Physical and Natural World (2 courses)</b></td> <td> <ul style="list-style-type: none"> <li>BIOL 1350 (included in auxiliary requirements)</li> <li>MATH 1330 (included in auxiliary requirements)</li> </ul> </td> </tr> <tr> <td><b>Navigate</b></td> <td>HUM 3990 (included in LAS gen ed requirements)</td> </tr> <tr> <td><b>Summit</b></td> <td>CHEM 4921 (included in major requirements)</td> </tr> <tr> <td><b>Writing Intensive Courses (WIC) (2 courses)</b></td> <td> <ul style="list-style-type: none"> <li>HUM 3990 (included in LAS gen ed requirements)</li> <li>See Degree Audit</li> </ul> </td> </tr> <tr> <td><b>Inclusiveness (2 courses)</b></td> <td>See Degree Audit</td> </tr> <tr> <td><b>Sustainability</b></td> <td>See Degree Audit</td> </tr> </tbody> </table> | Component  | Course | <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 1330 (included in auxiliary requirements)</li> </ul> | <b>Navigate</b> | HUM 3990 (included in LAS gen ed requirements) | <b>Summit</b> | CHEM 4921 (included in major requirements) | <b>Writing Intensive Courses (WIC) (2 courses)</b> | <ul style="list-style-type: none"> <li>HUM 3990 (included in LAS gen ed requirements)</li> <li>See Degree Audit</li> </ul> | <b>Inclusiveness (2 courses)</b> | See Degree Audit | <b>Sustainability</b> | See Degree Audit |
|  | Component   | Course   |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
|  | <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 1330 (included in auxiliary requirements)</li> </ul> |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
|  | <b>Navigate</b>   | HUM 3990 (included in LAS gen ed requirements)   |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
|  | <b>Summit</b>   | CHEM 4921 (included in major requirements)   |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
| <b>Writing Intensive Courses (WIC) (2 courses)</b>   | <ul style="list-style-type: none"> <li>HUM 3990 (included in LAS gen ed requirements)</li> <li>See Degree Audit</li> </ul>  |  |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
| <b>Inclusiveness (2 courses)</b>   | See Degree Audit  |  |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
| <b>Sustainability</b>  | See Degree Audit  |  |        |                                |          |  |                  |   |                  |   |  |                 |  |               |  |  |  |                                  |                  |                       |                  |
| <b>General Electives</b><br>(21 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 |
|          |   | MATH 1330      | 4         |   | CHEM 1511/1513                                | 5         |
|          |   | CHEM 1401/1402 | 5         |   | BIOL 1350                                     | 3         |
|          |   | GPS 1010       | 3         |   | Explore – Society, Behavior and Health Course | 3         |
|          |   | <b>TOTAL</b>   | 15        |   | <b>TOTAL</b>                                  | 14        |

| Year Two | ✓ | FALL  | Hours          | ✓ | SPRING                                       | Hours          |
|----------|---|---|----------------|---|--|----------------|
|          |   |   | CHEM 3101/3103 | 4 |  | CHEM 3111/3113 |
|          |   | PES 1110/1160                                 | 5              |   | PES 1120/2160                                | 5              |
|          |   | Explore – Arts, Humanities & Cultures Course  | 3              |   | CHEM 2201                                    | 3              |
|          |   | Explore – Society, Behavior and Health Course | 3              |   | Explore – Arts, Humanities & Cultures Course | 3              |
|          |   | <b>TOTAL</b>                                  | 15             |   | <b>TOTAL</b>                                 | 15             |

| Year Three | ✓ | FALL                                      | Hours          | ✓ | SPRING                                    | Hours     |
|------------|---|---|----------------|---|---|-----------|
|            |   |   | CHEM 4001/4002 | 4 |   | CHEM 4222 |
|            |   | CHEM 4221                                 | 3              |   | CHEM 4231                                 | 3         |
|            |   | HUM 3990                                  | 3              |   | CHEM 4701                                 | 3         |
|            |   | UD (Upper-Division) CHEM Elective         | 3              |   | UD CHEM Elective                          | 3         |
|            |   | General Elective ( <i>Inclusiveness</i> ) | 3              |   | General Elective ( <i>Inclusiveness</i> ) | 3         |
|            |   | <b>TOTAL</b>                              | 16             |   | <b>TOTAL</b>                              | 15        |

| Year Four | ✓ | FALL  | Hours                  | ✓ | SPRING           | Hours     |
|-----------|---|---|------------------------|---|------------------|-----------|
|           |   |   | CHEM 4232 or CHEM 4502 | 3 |                  | CHEM 4261 |
|           |   | CHEM 4921 ( <i>Oral Communication</i> )       | 3                      |   | UD CHEM Elective | 3         |
|           |   | UD CHEM Elective                              | 3                      |   | General Elective | 3         |
|           |   | General Elective ( <i>Sustainability</i> )    | 3                      |   | General Elective | 3         |
|           |   | General Elective ( <i>Writing Intensive</i> ) | 3                      |   | General Elective | 3         |
|           |   | <b>TOTAL</b>                                  | 15                     |   | <b>TOTAL</b>     | 15        |