

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

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

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

| Major Requirements   |   |  |              |  |
|--|---|--|--------------|--|
| Biochemistry Major<br>(33 hours)   | Course/Area   | Course Title   | Credit Hours |  |
| <ul style="list-style-type: none"> <li>• Requires a minimum of 33 credit hours of CHEM course work and an additional 25 hours of auxiliary course work.</li> <li>• Requires a minimum of 16 credit hours of upper-division (3000+ level) CHEM course work.</li> <li>• All CHEM and auxiliary courses must have a grade of "C" or better.</li> </ul> <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 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            |  |
|  | Electives   | <i>Complete 2 hours of upper-division (3000+ level) Chemistry Electives.</i> | 2            |  |
|  | <b>Auxiliary Requirements</b>                         |  |              |  |
|  | BIOL 1350/1360  | General Biology: Intro to the Cell & Lab                                     | 4            |  |
|  | GEOL 1010   | Physical Geology   | 4            |  |
|  | MATH 1330   | Calculus for Life Sciences   | 4            |  |
| PES 1110/1160  | General Physics I and Lab I - Calculus Based          | 5  |              |  |
| PES 1120/2160  | General Physics II and Lab II - Calculus Based        | 5  |              |  |
| PES 1050 <b>or</b><br>PES 1060   | General Astronomy I <b>or</b><br>General Astronomy II | 3  |              |  |
| <b>UCCS Teach Courses</b><br>(33 hours) <ul style="list-style-type: none"> <li>• A grade of "B-" or better must be earned in all Education courses.</li> <li>• Courses should be taken in the appropriate semester. See the four-year plan for details.</li> </ul>   | UTED 1030   | Inquiry Approaches/Lesson Plan Design for Secondary Math/Science Teaching    | 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

| <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>GEOL 1010 (included in auxiliary requirements)</li> </ul>   |   |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
| <b>Oral Communication</b>  | <ul style="list-style-type: none"> <li>UTED 4730 (<i>Apprentice Teaching</i>)</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>(12 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> <ul style="list-style-type: none"> <li>UTED 1030 (included in UCCS Teach requirements)</li> <li>See Degree Audit</li> </ul> </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>PES 1050 or 1060 (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>UTED 4730 (included in UCCS Teach requirements)</td> </tr> <tr> <td><b>Writing Intensive Courses (WIC) (2 courses)</b><br/><i>Must include one upper-division (3000+ level)</i></td> <td> <ul style="list-style-type: none"> <li>HUM 3990 (included in LAS gen ed requirements)</li> <li>UTED 4720 (included in UCCS Teach requirements)</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> | <ul style="list-style-type: none"> <li>UTED 1030 (included in UCCS Teach requirements)</li> <li>See Degree Audit</li> </ul> | <b>Explore – Physical and Natural World (2 courses)</b> | <ul style="list-style-type: none"> <li>BIOL 1350 (included in auxiliary requirements)</li> <li>PES 1050 or 1060 (included in auxiliary requirements)</li> </ul> | <b>Navigate</b> | HUM 3990 (included in LAS gen ed requirements) | <b>Summit</b> | UTED 4730 (included in UCCS Teach requirements) | <b>Writing Intensive Courses (WIC) (2 courses)</b><br><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>UTED 4720 (included in UCCS Teach requirements)</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>  | <ul style="list-style-type: none"> <li>UTED 1030 (included in UCCS Teach requirements)</li> <li>See Degree Audit</li> </ul>                                     |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
|  | <b>Explore – Physical and Natural World (2 courses)</b>  | <ul style="list-style-type: none"> <li>BIOL 1350 (included in auxiliary requirements)</li> <li>PES 1050 or 1060 (included in auxiliary requirements)</li> </ul> |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
|  | <b>Navigate</b>  | HUM 3990 (included in LAS gen ed requirements)  |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
|  | <b>Summit</b>  | UTED 4730 (included in UCCS Teach requirements)   |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
| <b>Writing Intensive Courses (WIC) (2 courses)</b><br><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>UTED 4720 (included in UCCS Teach requirements)</li> </ul>  |   |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
| <b>Inclusiveness (2 courses)</b>   | See Degree Audit   |   |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
| <b>Sustainability</b>  | See Degree Audit   |   |        |                                |          |  |                  |   |   |   |   |                 |  |               |   |  |   |                                  |                  |                       |                  |
| <b>General Electives</b><br>(9 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         |
|          |   | GPS 1010         | 3         |   | MATH 1330                                    | 4         |
|          |   | UTED 1030        | 3         |   | Explore – Arts, Humanities & Cultures Course | 3         |
|          |   | General Elective | 3         |   |  |           |
|          |   | <b>TOTAL</b>     | <b>17</b> |   | <b>TOTAL</b>                                 | <b>15</b> |

| Year Two | ✓ | FALL           | Hours          | ✓ | SPRING        | Hours          |
|----------|---|----------------|----------------|---|---------------|----------------|
|          |   |                | CHEM 3101/3103 | 4 |               | CHEM 3111/3113 |
|          |   | PES 1110/1160  | 5              |   | CHEM 2201     | 3              |
|          |   | UTED 2010      | 3              |   | PES 1120/2160 | 5              |
|          |   | BIOL 1350/1360 | 4              |   | UTED 3020     | 3              |
|          |   | <b>TOTAL</b>   | <b>16</b>      |   | <b>TOTAL</b>  | <b>15</b>      |

| Year Three | ✓ | FALL   | Hours     | ✓ | SPRING   | Hours                            |
|------------|---|--|-----------|---|--|----------------------------------|
|            |   |  | CHEM 4211 | 3 |  | CHEM 4701 ( <i>Spring Only</i> ) |
|            |   | CHEM 4001/4002                               | 4         |   | UTLS 3030 ( <i>Spring Only</i> )                               | 3                                |
|            |   | UTLS 3040 ( <i>Fall Only</i> )               | 3         |   | UTED 4710  | 3                                |
|            |   | HUM 3990                                     | 3         |   | PES 1050 or PES 1060   | 3                                |
|            |   | Explore – Social, Behavior and Health Course | 3         |   | Explore – Arts, Humanities & Cultures ( <i>Inclusiveness</i> ) | 3                                |
|            |   | <b>TOTAL</b>                                 | <b>17</b> |   | <b>TOTAL</b>   | <b>17</b>                        |

| Year Four | ✓ | FALL                                       | Hours                         | ✓ | SPRING       | Hours     |
|-----------|---|--|-------------------------------|---|--------------|-----------|
|           |   |  | Upper-Division CHEM Electives | 2 |              | UTED 4730 |
|           |   | UTED 4720                                  | 3                             |   |              |           |
|           |   | GEOL 1010                                  | 4                             |   |              |           |
|           |   | General Elective ( <i>Inclusiveness</i> )  | 3                             |   |              |           |
|           |   | General Elective ( <i>Sustainability</i> ) | 3                             |   |              |           |
|           |   | <b>TOTAL</b>                               | <b>15</b>                     |   | <b>TOTAL</b> | <b>12</b> |

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