

# HEALTH CARE SCIENCE B.S.

Medical Laboratory Science Option

## ACADEMIC ADVISING

*Partnering with students to successfully navigate college*

**Location:** Main Hall 208

**Phone:** 719.255.3260

**Website:** [Academic Advising](https://www.uccs.edu/advising)

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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: 30 credit hours of degree must be completed while registered in the Helen and Arthur E. Johnson Beth-El College of Nursing and Health Sciences

### 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](https://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 the degree audit or course catalog for course prerequisites.

## DEGREE REQUIREMENTS

Explore Medical Laboratory Science: [Bachelor of Science in Health Care Science - Medical Laboratory Science Option | Helen and Arthur E. Johnson Beth-El \(uccs.edu\)](https://www.uccs.edu/beth-el/bachelor-of-science-in-health-care-science-medical-laboratory-science-option)

| Major Requirements  |  |  |              |
|---|--|--|--------------|
| Med Lab Science Option Required Courses<br>(41 hours)   | Course/Area                            | Course Title   | Credit Hours |
| <ul style="list-style-type: none"><li>• Requires a minimum of 41 credit hours of HPNU and HSCI course work, and an additional 41 hours of auxiliary coursework.</li><li>• Requires a minimum of 29 credit hours of upper-division (3000+ level) HPNU and HSCI course work.</li><li>• All major and auxiliary courses must have a grade of "C-" or better.</li></ul> | HPNU 2050                              | Nutrition for Health Professionals                                     | 3            |
|   | HPNU 2100                              | Statistics & Research Methods  | 3            |
|   | HPNU 3050                              | Human Anatomy  | 4            |
|   | HPNU 3060                              | Human Physiology   | 4            |
|   | HPNU 4080                              | Pathophysiology  | 3            |
|   | HSCI 1020                              | Personal Fitness & Wellness  | 3            |
|   | HSCI 2470                              | Spanish for Health Professionals                                       | 3            |
|   | HSCI 3201                              | Health Behavior Change   | 3            |
|   | HSCI 3520                              | Health Communication   | 3            |
|   | HSCI 3630                              | Culture and Health   | 3            |
|   | HSCI 4620                              | Health Science Internship - MLS  | 2            |
|   | HSCI 4621                              | Health and Wellness Promotion Internship Orientation                   | 1            |
|   | Medical Lab Science Electives          | Complete 6 hours of upper-division (3000+ level) HSCI or HPNU courses. | 6            |
|   | Auxiliary Requirements                 |  |              |
|   | BIOL 1300/1310                         | General Biology: Organismic Biology and Lab                            | 4            |
|   | BIOL 1350/1360                         | General Biology: Introduction to the Cell and Lab                      | 4            |
|   | BIOL 2030/2130<br>or<br>BIOL 3100/3110 | Microbiology & Lab<br>Bacteriology & Lab (fall only)                   | 4            |
|   | BIOL 3020                              | Cell Biology   | 3            |
|   | BIOL 3140                              | Microbiology: Virology (fall only)                                     | 3            |
|   | BIOL 3830                              | Genetics   | 3            |
|   | BIOL 3910                              | Immunology (spring only)   | 3            |
|   | CHEM 1401/1402                         | General Chemistry I and lab  | 5            |
|   | CHEM 1411/1412                         | General Chemistry II and lab   | 5            |
|   | CHEM 3001/3002                         | Organic Chemistry and lab (fall only)                                  | 4            |
|   | CHEM 4211                              | Biochemistry Principles  | 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 or TCID 2090</li> <li>Writing Portfolio – PORT 3000 (0 credits) <b>or</b> PORT 4000 (1 credit) <b>or</b> alternative – See Degree Audit</li> </ul> |   |
| <b>Mathematics</b><br>(4 hours)   | <ul style="list-style-type: none"> <li>MATH 1040<br/><b>OR</b></li> <li>MATH 1350</li> </ul>  |   |
| <b>Compass Curriculum</b><br>(9 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</b>  | GPS 1010  |
|   | <b>Explore – Arts, Humanities and Cultures</b>  | See Degree Audit  |
|   | <b>Explore – Society, Behavior and Health</b>   | See Degree Audit  |
|   | <b>Explore – Physical and Natural World</b>   | BIOL 1350/1360 (included in major requirements)   |
|   | <b>Navigate</b>   | HSCI 3630 (included in HSCI core courses requirement)   |
|   | <b>Summit</b>   | HSCI 4620 (included in major requirements)  |
|   | <b>Writing Intensive Courses (WIC)</b><br><i>Two courses with one upper-division (3000+ level)</i>  | <ul style="list-style-type: none"> <li>HSCI 3630 (included in HSCI core courses requirement)</li> <li>See Degree Audit</li> </ul> |
|   | <b>Inclusiveness</b>  | HSCI 3630 (included in HSCI core courses requirement)   |
|   | <b>Sustainability</b>   | See Degree Audit  |
| <b>General Electives</b><br>(19 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 |
|----------|---|----------------|-------|---|-------------------------------|-------|
|          |   | GPS 1010       | 3     |   | MATH 1040 <b>or</b> MATH 1350 | 4     |
|          |   | ENGL 1310      | 3     |   | ENGL 1410 or TCID 2090        | 3     |
|          |   | BIOL 1300/1310 | 4     |   | BIOL 1350/1360                | 4     |
|          |   | CHEM 1401/1402 | 5     |   | CHEM 1411/1412                | 5     |
|          |   | HSCI 1020      | 3     |   |                               |       |
|          |   | <b>TOTAL</b>   | 18    |   | <b>TOTAL</b>                  | 16    |

| Year Two | ✓ | FALL  | Hours | ✓ | SPRING                                | Hours |
|----------|---|---|-------|---|---------------------------------------|-------|
|          |   | BIOL 3830                                     | 3     |   | BIOL 3020                             | 3     |
|          |   | CHEM 3001/3002 ( <i>fall only</i> )           | 4     |   | HSCI 2470                             | 3     |
|          |   | HPNU 2050                                     | 3     |   | HSCI 3201                             | 3     |
|          |   | Explore – Society, Behavior, and Health       | 3     |   | Explore – Arts, Humanities & Cultures | 3     |
|          |   | General Elective ( <i>Writing Intensive</i> ) | 3     |   | General Elective                      | 3     |
|          |   | <b>TOTAL</b>                                  | 16    |   | <b>TOTAL</b>                          | 15    |

| Year Three | ✓ | FALL   | Hours | ✓ | SPRING                           | Hours |
|------------|---|--|-------|---|----------------------------------|-------|
|            |   | BIOL 2030/2130 ( <i>fall or spring</i> ) <b>or</b> BIOL 3100/3110 ( <i>fall only</i> ) | 4     |   | BIOL 3910 ( <i>spring only</i> ) | 3     |
|            |   | BIOL 3140 ( <i>fall only</i> )   | 3     |   | HPNU 2100                        | 3     |
|            |   | HPNU 3050  | 4     |   | HPNU 3060                        | 4     |
|            |   | HSCI 3520  | 3     |   | HSCI 3630                        | 3     |
|            |   |  |       |   | General Elective                 | 3     |
|            |   | <b>TOTAL</b>   | 14    |   | <b>TOTAL</b>                     | 16    |

| Year Four | ✓ | FALL                                       | Hours | ✓ | SPRING                   | Hours |
|-----------|---|--|-------|---|--------------------------|-------|
|           |   | CHEM 4211                                  | 3     |   | HSCI 4620                | 2     |
|           |   | HSCI 4621                                  | 1     |   | UD HSCI or HPNU Elective | 3     |
|           |   | HPNU 4080                                  | 3     |   | General Elective         | 3     |
|           |   | Upper-Division (UD) HSCI or HPNU Elective  | 3     |   | General Elective         | 4     |
|           |   | General Elective ( <i>Sustainability</i> ) | 3     |   |                          |       |
|           |   | <b>TOTAL</b>                               | 13    |   | <b>TOTAL</b>             | 12    |