



Helen and Arthur E. Johnson  
Beth-El College of  
Nursing and Health Sciences

UNIVERSITY OF COLORADO COLORADO SPRINGS

## B.S. Health Care Science - Medical Laboratory Science Option

### Contact Information:

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### Academic Advising Hours:

**Location:** Main Hall 208

**Hours:** Monday–Friday: 9am–4pm Appointments Only (except Wednesday afternoons)

**Drop-in Advising every Wednesday from 1pm–4:30pm**

Call: (719) 255-3260

**Website:** [www.uccs.edu/advising](http://www.uccs.edu/advising)

## General Academic Information

### Medical Laboratory Science (MLS) Post-BS Professional Certificate

Medical Laboratory Science is a nationally recognized allied health field. Medical laboratory scientists are key members of the health care team who contribute to the practice of diagnostic medicine. The UCCS MLS Program is offered through the Colorado Center for Medical Laboratory Science ([CCMLS](http://www.uccs.edu/ccmls)), a program of Metropolitan State University of Denver. CCMLS is accredited by the National Accrediting Agency for Clinical Laboratory Science ([NAACLS](http://www.naacls.org)). CCMLS provides the didactic, student laboratory and clinical coursework needed to complete the professional certificate requirements. Clinical courses occur in the [clinical partner laboratories of CCMLS](http://www.uccs.edu/clinical-partner-laboratories).

### Academic Policies

It is the responsibility of each student to know and follow all Academic policies established by the University and the Beth-El College of Nursing & Health Sciences that are set forth in the Catalog ([catalog.uccs.edu](http://catalog.uccs.edu)) and the Beth-El Student Handbook (<http://www.uccs.edu/~bethel/studenthandbooks.htm>).

### Background Checks/ Risk Waivers

All Health Science students completing a practicum or internship are required to complete a criminal background check. Students enrolled in courses involving an activity component are required to complete the UCCS Risk Waiver prior to participating in any activity.

### Probation/Suspension

Students may be placed on academic probation if their CU GPA falls below 2.0 or if they receive a grade below a C- in any required Health Science courses for the first time. They may continue with required courses unless the course/courses in which they received a grade below a C- are prerequisites for upcoming courses. In that case, the course/courses in which they received a grade below a C- must be repeated prior to progressing. Students may remain on academic probation for a maximum of three semesters with a GPA under 2.0. If, by the end of their third semester of probation, their CU GPA has not been raised to 2.0 or better, they will be subject to suspension from the College. Two required Health Science courses with a grade of C- or below will result in dismissal from the College. Students may petition in writing to the Department Chair for re-admission to the College within

30 calendar days. Dismissal from the Health Science Program does not imply dismissal from the University of Colorado.

> A minimum of 120 hours must be completed with a cumulative CU grade point average of 2.8.

> 30 hours of the degree must be completed while registered in the Beth-El College of Nursing & Health Sciences at UCCS.

> A maximum of 60 hours of community college course work can count towards the degree.

> Courses numbered below 1000 do not count towards degree completion.

### Compass Curriculum

Compass Curriculum is the campus-wide general education program at UCCS. The Compass Curriculum has multiple components many of which will coincide with the degree requirements listed in this guide. Please visit the Compass Curriculum website at [www.uccs.edu/compasscurriculum](http://www.uccs.edu/compasscurriculum), review your degree audit, or check out the Compass Curriculum advising guide for specific course details. The required components are listed below and referenced in the guide.

### REQUIRED COMPASS CURRICULUM COMPONENTS:

Component	Course
<b>Gateway</b>	GPS 1010
<b>Explore<sup>1</sup></b> – Arts, Humanities and Cultures	See List
<b>Explore<sup>1</sup></b> – Society, Behavior and Health	PSY 1000
<b>Explore<sup>1</sup></b> – Physical and Natural World	BIOL 1350
<b>Navigate</b>	HSCI 3630
<b>Summit</b>	HSCI 4621
<b>Writing Intensive Course (WIC)<sup>2</sup></b> <i>Two courses with at least one upper-division (3000+ level).</i>	HSCI 4010 HSCI 3630
<b>Inclusiveness<sup>2</sup></b>	HSCI 3630
<b>Sustainability<sup>2</sup></b>	See List

<sup>1</sup> Explore must be outside major and area requirements.

<sup>2</sup> Can count towards other requirements within the Compass Curriculum or within a student's degree program.



# DEPARTMENT OF HEALTH SCIENCES—Med Laboratory Science Option

Program website: [www.uccs.edu/mls](http://www.uccs.edu/mls)

Degree Requirements	Courses		
	Course Number	Course Title	Credit Hours
<b>General Education Requirements</b> (30 hours)  All courses must have a grade of "C-" or better.	GPS 1010	Gateway Seminar Experience	3
	ENGL 1310	Rhetoric & Writing I	3
	ENGL 2090	Technical Writing & Presentation ( <i>pre-req ENGL 1310 or 1410</i> )	3
	MATH 1040	College Algebra (can substitute with MATH 1350*) ( <i>pre-req MATH 99 with a grade of "C" or better, or pass the Math Placement Test for MATH 1040.</i> )	3
	BIOL 1350/1360	General Biology: Intro to the Cell and Lab ( <i>pre-req CHEM 1401/1402 and BIOL 1300/1310</i> )	4
	PSY 1000	General Psychology	3
	PORT 3000	Writing Portfolio Assessment	0
	Explore Elective	Choose from the Explore - Arts, Humanities & Cultures List	3
	Sustainability	Complete one Sustainability course	3
	Electives	Complete 5 hours of general electives	2
<b>Health Science Core Requirements</b> (12 hours)	HSCI 3100	Statistics & Research Methods ( <i>Can sub with BIOL 3000</i> )	3
	HSCI 3201	Health Behavior Change ( <i>soph level</i> )	3
	HSCI 3520	Health Communication ( <i>pre-req HSCI 3201</i> )	3
	HSCI 3630	Culture & Health ( <i>soph level</i> )	3
<b>Med Lab Science Option Requirements</b> (78 hours)	BIOL 1300/1310	General Biology: Organismic Biology and Lab ( <i>pre-req HS BIOL &amp; CHEM</i> )	4
	BIOL 2030/2130 OR BIOL 3100/3110	Microbiology & Lab ( <i>pre-reqs BIOL 1300/1310; BIOL 1350/1360; CHEM 1401/1402; CHEM 1411/1412</i> ) Bacteriology & Lab ( <i>pre-req BIOL 3020</i> )	4
	BIOL 3020	Cell Biology ( <i>pre-req BIOL 3830</i> )	3
	BIOL 3050	Human Anatomy ( <i>pre-req BIOL 1350/1360</i> )	4
	BIOL 3060	Human Physiology ( <i>pre-req BIOL 1350/1360; BIOL 3050</i> )	4
	BIOL 3140	Microbiology: Virology ( <i>pre-req BIOL 3020</i> )	3
	BIOL 3150	Virology Lab ( <i>pre-req BIOL 3100, BIOL 3140</i> )	1
	BIOL 3830	Genetics ( <i>pre-req BIOL 1300/1310, BIOL 1350/1360, CHEM 1401/1402, CHEM 1411/1412</i> )	3
	BIOL 3910	Immunology ( <i>pre-req BIOL 3020</i> )	3
	BIOL 4670	Applied Molecular Genetics ( <i>pre-req BIOL 4840</i> )	3
	BIOL 4840	Molecular Biology ( <i>pre-req BIOL 3020</i> )	3
	CHEM 1401/ 1402	General Chemistry I plus lab ( <i>pre-reqs 1 yr HS CHEM &amp; 2yrs HS Math</i> )	5
	CHEM 1411/ 1412	General Chemistry II plus lab ( <i>pre-req CHEM 1401/1402 w/C or higher</i> )	5
	CHEM 3001/ 3002	Organic Chemistry and lab ( <i>pre-req CHEM 1411/1412 w/C or higher</i> )	4
	CHEM 4211	Biochemistry Principles ( <i>pre-reqs BIOL 1350, and CHEM 3001 with grades of "C" or higher</i> )	3
	CHEM 4222	Biochemistry Laboratory ( <i>pre-reqs CHEM 4211 with a grade of "C" or higher</i> )	3
	HSCI 1020	Personal Fitness & Wellness	3
	HSCI 2070	Nutrition for Health Professionals	3
	HSCI 2920	Spanish for Health Professionals	3
	HSCI 3230	Medical Terminology	3
	HSCI 4080	Pathophysiology ( <i>pre-reqs BIOL 3050, 3060, &amp; CHEM 1401/1402, 1411/1412</i> ) <b>NOTE: This course is only offered in the Fall Semester</b>	3
	HSCI 4621	Health Science Internship - MLS	5
	HSCI Electives	HSCI Electives 3000 level or higher	6

## UCCS Four-Year Degree Plan – Health Care Science – Med Lab Science

The following four-year plan lists all the specific course requirements for the Bachelor of Science in Health Care Science – Medical Lab Science/Med Tech option at UCCS. The order in which these courses are taken may vary with course availability. **Students are responsible for completing all course prerequisites.** Please note that this is a *suggested* degree program; your program may vary.

### Suggested First Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	GPS 1010	3		BIOL 1350/1360	4
	ENGL 1310	3		CHEM 1411/1412	5
	CHEM 1401/1402	5		HSCI 1020	3
	BIOL 1300/1310	4		MATH 1040	3
	<b>TOTAL</b>	15		<b>TOTAL</b>	15

### Suggested Second Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	CHEM 3001/3002	4		BIOL 3020	3
	BIOL 3830	3		ENGL 2090	3
	HSCI 2920	3		HSCI 2070	3
	Sustainability Elective	3		HSCI 3201	3
	General Elective	2		PSY 1000	3
	<b>TOTAL</b>	15		<b>TOTAL</b>	15

### Suggested Third Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	BIOL 3050	4		BIOL 3060	4
	BIOL 3100	3		BIOL 3150	1
	BIOL 3110	1		BIOL 3910	3
	BIOL 3140	3		HSCI 3100	3
	HSCI 3520	3		HSCI 3630	3
	HSCI 3230	3			
	<b>TOTAL</b>	17		<b>TOTAL</b>	14

### Suggested Fourth Year

FALL			SPRING		
√	Course	Hours	√	Course	Hours
	BIOL 4840	3		BIOL 4670	3
	CHEM 4211	3		CHEM 4222	3
	HSCI 4080	3		HSCI 4621	5
	HSCI Elective	3		HSCI Elective	3
	Explore – Arts, Humanities & Cultures	3			
	<b>TOTAL</b>	15		<b>TOTAL</b>	14