

# Medical Laboratory Technician, AS



## Casper College

### FRESHMAN YEAR

Fall Semester			Hrs	Spring Semester			Hrs
MATH	1400	Pre-Calculus Algebra	4	ENG	1010	English I: Composition	3
MLTK	1500	Hematology	3	MLTK	1600	Clinical Immunohematology	3
MOLB	2210	General Microbiology	4	MLTK	1700	Microscopy: UA Body Fluids	2
CMAP	1505	Introduction to Computers	1	MLTK	2600	Clinical Microbiology I	2
SOC	1000	Introduction to Sociology		BIOL	1010	General Biology I	4
		<b>OR</b>	3			Elective	3
ANTH	1200	Anthropology					
<b>TOTAL</b>			<b><u>15</u></b>	<b>TOTAL</b>			<b><u>17</u></b>

### SOPHOMORE YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ENG	1020	English II: Composition	3	MLTK	2971	Clinical Practicum: Hematology	2
MLTK	2500	Clinical Chemistry	3	MLTK	2972	Clinical Practicum: Chemistry	2
MLTK	2650	Clinical Microbiology II	2	MLTK	2973	Clinical Practicum: Immunohematology	2
MLTK	2700	Immunology	4	MLTK	2974	Clinical Practicum: Microbiology	2
POLS	1000	American and Wyoming Government	3	MLTK	2976	Clinical Practicum: Serology	1
				MLTK	2977	Clinical Practicum: UA / Body Fluids	1
				MLTK	2800	Clinical Pathophysiology	4
				PEAC		Online Activity	1
<b>TOTAL</b>			<b><u>15</u></b>	<b>TOTAL</b>			<b><u>15</u></b>

### SUMMER SEMESTER

						Hrs	
				CHEM	1025	Chemistry I	3
				CHEM	1028	Chemistry Lab I	1
				MLTK	1800	Principles of Phlebotomy	3
				MLTK	1970	Clinical Practicum: Phlebotomy	2
<b>TOTAL</b>						<b><u>9</u></b>	
<b>TOTAL CASPER AS DEGREE HOURS</b>						<b><u>71</u></b>	

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

# Medical Laboratory Science, BS



## University of Wyoming at Casper

### JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
CHEM	1030	General Chemistry II	4	STAT	2050	Fundamentals of Statistics	4
CHEM	2300	Introduction to Organic Chemistry	4	MOLB	3000	Introduction to Molecular Biology	3
LIFE	3050	Genetics	4	MOLB	3610	Principles of Biochemistry	4
LIFE	3600	Cell Biology	4			Upper Division Elective	4
<b>TOTAL</b>			<b><u>16</u></b>	<b>TOTAL</b>			<b><u>15</u></b>

### SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
MLSK	4840	Laboratory Education Methodology	1	MLSK	4981	Adv Clinical Practicum: Hematology	3
MLSK	4850	Clinical Research Design	2	MLSK	4982	Adv Clinical Practicum: Molecular	3
MLSK	4860	Laboratory Management	3	MLSK	4983	Adv Clinical Practicum: Immunohem	3
MLSK	4870	Adv Clinical Chemistry	4	MLSK	4984	Adv Clinical Practicum: Microbiology	3
MLSK	4880	Adv Hematology: Erythrocytes	2	MLSK	4890	Prof. Career Paths and Review	2
		Upper Division Elective	3				
<b>TOTAL</b>			<b><u>15</u></b>	<b>TOTAL</b>			<b><u>14</u></b>
						<b>TOTAL UW HOURS</b>	<b><u>60</u></b>
						<b>TOTAL UW BA DEGREE HOURS</b>	<b><u>131</u></b>

#### Casper College requirements:

In order to graduate, students must successfully complete a minimum of 60 approved credit hours, with 15 of the last 30 semester hours completed as a degree-seeking student at Casper College, and with a grade point average of 2.0 or higher in those courses counted toward graduation. • Students must earn at least 24 of the semester credits applied toward graduation through the completion of Casper College coursework, including at least six (6) hours with the desired major. • Only courses numbered 1000 or above can be used toward the degree.

#### University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U.

#### UW Program Notes:

The UW component of this program is only available at the UW-Casper campus.

**AMENDMENT NO. 1 TO**  
**MEMORANDUM OF UNDERSTANDING FOR**  
**BACHELOR OF SCIENCE IN MEDICAL LABORATORY SCIENCE**  
**BETWEEN**  
**CASPER COLLEGE**  
**AND**  
**THE UNIVERSITY OF WYOMING**

The parties to the above referenced Memorandum of Understanding effective 2015/16 do hereby amend the MOU as follows, which shall be effective as of the last date of signature below.

- 1) Exhibit A, 2 plus 2 degree plan, is modified and replaced in its entirety as attached and incorporated herein.

All other provisions of the MOU remain unchanged and are hereby ratified and affirmed. In the event of any inconsistency between the MOU and any prior Amendments and this Amendment, the terms of this Amendment should be construed as final and binding.

**Casper College**

*[Signature]* 5/7/18  
Department Head  
Date:

*[Signature]* 5/7/18  
Dean/Division Chair  
Date:

**APPROVED BY:**

**Casper College**

*[Signature]*  
VP of Academic Affairs  
Date: 5/25/18

**University of Wyoming**

*[Signature]* 05/07/18  
Department Head  
Date:

*[Signature]*  
Dean  
Date: 5/30/18

**University of Wyoming**

*[Signature]* 6/12/18  
VP of Academic Affairs  
Date: