

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Medical Laboratory Science, B.S.

Medical Laboratory Science, B.S.

The program requires 129 credit hours total, with 60 credit hours obtained in the junior/senior years to graduate. Students must complete a minimum of 42 upper division hours, 30 of which must be earned from the University of Wyoming.

Requirements

Lower-Division Requirements

MLTK and PEAC courses are available through an articulation agreement with Casper College **and can be taken only through Casper College**. Students are responsible for fulfilling all University Studies requirements. The articulation agreement, with a proposed semester-by-semester sequence, is available at:

http://www.uwyo.edu/acadaffairs/degree-plans/_files/2p2/cc_uw_medical-laboratory-science_bs.pdf.

Course Name	Credits:	Term Taken	Grade	Gen Ed
MATH1400 - College Algebra	Credits: 3			
LIFE1010 - General Biology (Casper College equivalent: BIOL 1010)	Credits: 4			
MICR2021 - General Microbiology	Credits: 4			
OR				
MOLB2021 - General Microbiology (Casper College equivalent: MOLB 2210)	Credits: 4			
CHEM1020 - General Chemistry I (Casper College equivalent: CHEM 1025 & CHEM 1028)	Credits: 4			
CHEM1030 - General Chemistry II	Credits: 4			
CHEM2300 - Introductory Organic Chemistry	Credits: 4			
STAT2050 - Fundamentals of Statistics	Credits: 4			
<ul style="list-style-type: none"> • PEAC xxxx: Online Activity Credits: 1 • MLTK 1500 - Hematology Credits: 3 • MLTK 1600 - Clinical Immunohematology Credits: 3 • MLTK 1700 - Microscopy: UA Body Fluids Credits: 2 • MLTK 2600 - Clinical Microbiology I Credits: 2 • MLTK 2500 - Clinical Chemistry Credits: 3 • MLTK 2650 - Clinical Microbiology II Credits: 2 • MLTK 2700 - Immunology Credits: 4 • MLTK 2971 - Clinical Practicum: Hematology Credits: 2 • MLTK 2972 - Clinical Practicum: Chemistry Credits: 2 • MLTK 2973 - Clinical Practicum: Immunohematology Credits: 2 • MLTK 2974 - Clinical Practicum: Microbiology Credits: 2 • MLTK 2976 - Clinical Practicum: Serology Credits: 1 • MLTK 2977 - Clinical Practicum: UA / Body Fluids Credits: 1 • MLTK 2978 - MLT Professionalism Credits: 1 • MLTK 2800 - Clinical Pathophysiology Credits: 4 • MLTK 1800 - Principles of Phlebotomy Credits: 3 				

One of the Following 3-Credit Options:

Course Name	Credits:	Term Taken	Grade	Gen Ed
SOC1000 - Sociological Principles	Credits: 3			
PSYC1000 - General Psychology	Credits: 3			
ANTH1200 - Introduction to Cultural Anthropology (USP-H)	Credits: 3			

Upper-Division Requirements

Upper-division courses required to complete the Bachelor of Science in Medical Laboratory Science (**All MLSK courses are only available through UW-Casper.**):

Course Name	Credits:	Term Taken	Grade	Gen Ed
LIFE3050 - Genetics	Credits: 4			
LIFE3600 - Cell Biology	Credits: 4			
MOLB3000 - Introduction to Molecular Biology	Credits: 3			
MOLB3610 - Principles of Biochemistry	Credits: 4			
• Upper-division electives Credits: 7 (consult your academic advisor)				
MLSK4840 - Laboratory Education Methodology	Credits: 1			
MLSK4850 - Clinical Research Design	Credits: 2			
MLSK4860 - Laboratory Management (USP-COM3)	Credits: 3			
MLSK4870 - Advanced Clinical Chemistry	Credits: 4			
MLSK4880 - Advanced Hematology: Erythrocytes	Credits: 2			
MLSK4981 - Advanced Clinical Practicum	Credits: 3			
MLSK4982 - Advanced Clinical Practicum	Credits: 3			
MLSK4983 - Advanced Clinical Practicum	Credits: 3			
MLSK4984 - Advanced Clinical Practicum- Microbiology	Credits: 3			
MLSK4890 - Professional Career Paths and Review	Credits: 2			

Upper Division Elective Credit Hours

Seven upper division elective credit hours must be completed in the student's junior or senior year. These credits must be 3000 and above, and achieved through online outreach or on campus courses. A list of courses that are acceptable to fulfil this requirement can be made available to the student. If a course is in question, it is highly suggested to the student to contact the UW-C advising department or the MLS program director for requirement fulfillment confirmation.

Enrichment Rotations and Laboratory Sessions

The final semester of the student's senior year is comprised of didactic material being delivered in an online hybrid manner, supplemented with on campus lab sessions at the UW-Casper campus. These lab sessions will be accompanied by an observational enrichment rotation at a clinical site. This enrichment rotation will allow for the observation of advanced methodologies in a practical environment. It will be the students' responsibility for all travel and housing costs associated with the advanced clinical practicum courses.

Probation

Students who do not meet the minimum grade requirements stated above for MLSK course work will be placed on probation. In this period of time, students will be allowed to continue in the program under supervision, but will submit a petition which is an individualized plan of study for the next semester that is developed by the student in agreement with and signed by an academic advisor. All completed MLSK courses that fail to meet minimum grade requirements (C or 2.000 or better) must be repeated by the student. Students shall not be allowed to progress to the final semester until all courses in the previous semesters are successfully completed and a GPA of 2.000 is obtained.

Notes: