

MEDICAL LAB TECHNICIAN

Faculty

Program Director: A. Hentzen, Ph.D., MT (ASCP)

Instructor: B. Madsen, MT (ASCP)

Casper College offers an Associate of Science in Medical Laboratory Technician (MLT) and a certificate of completion for phlebotomy training. Both options consist of non-MLT as well as MLT courses, and students are integrated into all aspects of college life. In addition to the Casper College application for admission, a student must complete and submit to the director a departmental application prior to clinical training when all eligibility requirements are met.

Background check and drug/alcohol policy

Students enrolled in the MLT program will participate in clinical experiences in a variety of agencies. Prior to participating in the clinical experiences, students will be subject to that agency's requirements for a background check, drug testing and/or drug abuse prevention policies. Students are then subject to the random drug testing policy of that agency.

Clinical accessibility policy

The MLT program utilizes a variety of health care agencies in the local community and throughout Wyoming for clinical experiences for students. If you have been employed in one or more of the agencies and are not eligible for rehire as an employee, that agency may not permit you to participate in the essential clinical component of the program.

Please contact the human resources department of the affected agency and request documentation that states the agency position on your participation in the clinical component of the program. If you receive a negative response from that agency, you are automatically ineligible to apply to that agency and may have to select an alternate training site located in another city. A response indicating you will be permitted to attend clinicals at that agency will be given to the program director prior to the selection process for admission to the program. If you are unable to fulfill clinical requirements due to a previous employer issue and have not complied with the above, you could be dismissed from the program or may not be able to obtain a clinical training opportunity.

Your signature on the application indicates you have read the above and will comply as indicated.

An additional resource for information regarding MLT program curriculum and student training can be obtained from:

National Accrediting Agency for
Clinical Laboratory Science (NAACLS)
5600 N. River Road, Suite 720
Rosemont, IL, 60018
Phone: (773) 714-8880
Internet at <http://www.naacls.org>.

Eligibility requirements

To be considered for admission into the associate of science MLT program, the applicant must:

1. Have graduated from high school or have earned a GED;
2. Submit a completed application form with all high school and college transcripts and GED certification (if applicable) to the admissions office.
3. Have a composite score of 18 or better on the ACT if out

of high school less than two years, and have completed courses recommended by the test with a "C" or better, or

4. Have taken the COMPASS test and have completed courses recommended by the test with a "C" or better, or successfully completed college courses;

5. Students admitted to the MLT Program must be students in good standing at Casper College, must have earned a "C" or better in prerequisite and MLTK coursework, and have an overall GPA of 2.0.

6. An application to the MLT Program must be submitted to the Program Director once all prerequisite coursework has been completed and the student has successfully completed the entrance competency exam. Applications for the MLT Program are due by October 31, in the fall semester prior to the clinical practice (MLTK 2970) in spring. Obtaining a clinical practice site is competitive and students will undergo an interview/ selection process to determine and assign clinical practicum locations. Since training opportunities cannot be guaranteed, if students are not initially placed they will be placed on an alternate list for the next available training session.

7. Health Requirements: You will need to obtain proof of the following health requirements to train in phlebotomy and MLT student laboratory or clinical practice: Health Insurance; Health Provider BLS certification; Tuberculosis skin testing; Hepatitis B vaccination; Measles, Mumps Rubella and Tetanus vaccinations.

To maintain ongoing enrollment in the MLT program curriculum you may be required to meet annual requirements as specified by the clinical agency.

8. Students who have appropriate experience or certification as a phlebotomist may receive credit for Principles of Phlebotomy (MLTK 1800) and Phlebotomy Practicum (MLTK 1970). Credit will be determined by the Registrar and the Director of the MLT Program.

9. Applicants must meet certain essential functions as defined by NAACLS. If you feel that you do not meet these essential functions, careful consideration should be made and advisement received before entering the MLT Program. Essential functions are the abilities and essential functions that a student must be able to perform to be successful in the learning experiences and completion of the program. Please obtain a MLT Program Student Handbook from the director of the MLT Program or visit the following Web site ([http://www.caspercollege.edu/life science/mlt/functions.asp](http://www.caspercollege.edu/life%20science/mlt/functions.asp)) to review these essential functions.

Certification eligibility and examination

Upon completion of the MLT program, students are eligible for and expected to write a certification examination given by either the NCA or the ASCP Board of Registry.

Certification Agencies:

ASCP Board of Registry • 33 West Monroe, Suite 1600
Chicago, IL 60603
Phone: 312-541-4999
800-267-ASCP (2727)
Fax: 312-541-4998

National Credentialing Agency for Laboratory Personnel
P.O. Box 15945-289 • Lenexa KS 66285
Phone: (913) 438-5110
Fax: (913) 541-0516

Associate of Science Degree Medical Laboratory Technician

(Recommended Curriculum)

General Education (Minimum 32 credits) Credits
General education coursework can be completed from within or outside of the major field of study.

1. Exploration and Participation
Included in the major requirements below
2. Communication
ENGL 1010 English I: Composition 3
ENGL 1020 English II: Composition 3
3. Relationship with the World
PSYC 1000 General Psychology 4
SOC 1000 Introduction to Sociology 3
U.S. and Wyoming constitutions 1-3
Cultural environment 3
4. General Education Electives
Must be chosen from areas 1, 2, or 3 above.
5. Physical Education 1

Major Requirements

BIOL 1000 Introduction to Biology I	or
BIOL 1010 General Biology	4
CHEM 1005 Basic Chemistry	3 and
CHEM 1006 Basic Chemistry Lab.	1 or
CHEM 1025 Chemistry I	3 and
CHEM 1028 Chemistry Laboratory I	1
MATH 1000 Problems Solving	3 or
MATH 1400 Pre-Calculus Algebra	4
CMAP 1505 Introduction to Computers	1
MLTK 1500 Clinical Hematology and Hemostasis	3
MLTK 1600 Clinical Immunohematology	3
MLTK 1700 Microscopy: UA and Body Fluids	2
MLTK 1800 Principles of Phlebotomy	3
MLTK 1970 Phlebotomy Practicum	3
MLTK 2500 Clinical Chemistry	3
MLTK 2600 Clinical Microbiology	2
MLTK 2700 Immunology	4
MLTK 2970 Clinical Practicum	10
MOLB 2210 General Microbiology	4
MOLB 2220 Pathogenic Microbiology	4

Courses listed are consistent with the required curriculum for University of Nebraska Medical Center (UNMC) Medical Technology Program and other similar Baccalaureate Medical Technology programs. Additional credit hours beyond the AS degree may be required to meet prerequisite coursework requirements for the BS programs.

A minimum of 71 approved semester credits are required for graduation. For specific graduation requirements see "Academic Policies" and "Degree Requirements."

ONLY COURSES NUMBERED 1000 OR ABOVE CAN BE USED TOWARD THE ASSOCIATE OF SCIENCE DEGREE.

Phlebotomy Technician Training Certificate

This curriculum is designed to prepare students for employment as a phlebotomist in a hospital, private laboratory, or physicians' office. Students may complete the following coursework to become eligible to sit for Phlebotomy Technician national certification examination through the American Society of Clinical Pathology or National Credentialing Agency.

(Certificate Requirements)

CMAP 1505 Introduction to Computers	1
CO/M 1505 Communication for Professional Success	3
MLTK 1800 Principles of Phlebotomy	3
MLTK 1970 Phlebotomy Practicum	3
SOC 1000 Introduction to Sociology	3

Clinical Health Care Assistant Certificate

This curriculum is designed to prepare students for employment in medical facilities where job duties require the employee to multi task and utilize specific skills. Students that complete the following coursework become eligible to sit for Phlebotomy Technician national certification examination through the American Society of Clinical Pathology or National Credentialing Agency, and Certified Nursing Assistant through the state of Wyoming.

(Certificate Requirements)

CMAP 1715 Word Processing:	3
ENGL 1010 English I: Composition	3
FIRE 1670 Basic Emergency Care/First Responder.	3
HLTK 1200 Medical Terminology.	3
MLTK 1800 Principles of Phlebotomy	3
MLTK 1970 Phlebotomy Practicum	3
NRST 1500 Nursing Assistant.	4
SOC 1000 Introduction to Sociology	3
ZOO 2110 Human Physiology	4

For specific graduation requirements see "Academic Policies" and "Degree Requirements."