



## Program Overview

The Medical Laboratory Technician (MLT) program at Western Nebraska Community College prepares students to provide service in clinical laboratory science and related areas in rapidly changing and dynamic healthcare delivery systems. Medical laboratory technicians perform, evaluate, correlate, and assure accuracy and validity of laboratory information, direct and supervise clinical laboratory resources and operations, and collaborate in the diagnosis and treatment of patients. The medical laboratory technician has diverse and multi-level functions in the areas of collecting, processing, and analyzing biological specimens and other substances, principles and methodologies, performance of assays, problem-solving, troubleshooting techniques, significance of clinical procedures and results, principles and practices of quality assessment, for all major areas practiced in the contemporary clinical laboratory.

The MLT curriculum includes a combination of general education courses, online MLT didactic lectures, face-to-face student laboratory sessions, and clinical experience in a hospital or clinic. Upon successful completion of the prescribed curriculum, the student is eligible to take an examination for national professional certification, and will be able to work in a variety of clinical settings that include hospital laboratories, physicians' offices, clinics, and blood donor centers.

## Degree and Certificates

Associate of Applied Science in Medical Laboratory Technology

Certificate in Phlebotomy

## Career Opportunities

Overall employment of medical laboratory technologists and technicians is projected to grow 13 percent from 2016 to 2026, faster than the average for all occupations. For more information see: [www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-and-technicians.htm](http://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-and-technicians.htm).

## NAACLS Accreditation Statement

The MLT Program at Western Nebraska Community College has been accredited by National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119; (773) 714-8880.

## Contact

**Dr. Mwafaq Haji**  
**DVM, MSc**  
MLT Program  
Director & Instructor  
308.635.6124  
[hajim5@wncc.edu](mailto:hajim5@wncc.edu)

Learn more about our  
program at [go.wncc.edu/MLT](http://go.wncc.edu/MLT)



**Western Nebraska**  
Community College

# Medical Laboratory Technician

Associate of Applied Science  
Scottsbluff Campus

## Program Mission

The Medical Laboratory Technology program at Western Nebraska Community College responds to the employability and educational needs of the community by training ethical professionals to perform as competently medical laboratory technician professionals.

## Program Goals

Upon completion of the program, all students will demonstrate their competency in the Cognitive, Psychomotor, and Affective Domains in the field of Medical Laboratory Technology.

- GOAL 1: The Medical Laboratory Technology Program (MLT) will have 70 percent of the student's completion rate within two years.
- GOAL 2: The MLT program will have 70 percent of the students entering the program graduate within two years.
- GOAL 3: Within one year of graduation, 70 percent of the Medical Laboratory Technology graduates will be employed.
- GOAL 4: The MLT program will have a minimum of 75 percent of its graduates' pass the National Registry Exam within one year.
- GOAL 5: Upon graduation, the Medical Laboratory Technology program will obtain 85 percent satisfaction from the employer about the graduate's entry-level knowledge and technical skills.

## Recommended Plan of Study

1st Semester (Fall - Prerequisite Courses)		Credits
Class		
LPNR-1110	Body Structure and Function	4
HLTH-1060	Medical Terminology	3
MEDT-1000	Intro to Clinical Laboratory	2
INFO-1100	Microcomputer Applications	3
MEDT-1010	Fundamentals of Phlebotomy*	4
MEDT-1210	Practicum: Phlebotomy	2.5
	Total Credits	18.5

2nd Semester (Spring - Prerequisite Courses)		Credits
MEDT-1005	Clinical Laboratory Operations	3
SPCH-1200	Human Communication or Oral Communication GE elective	3
	Written Communication	3
PRDV-1010	Achieving College Success	3
MATH-1010	Intermediate Algebra	4
	Total Credits	16

3rd Semester (Summer - MLT Core Courses)		Credits
MEDT-2100	Clinical Microbiology I	3
MEDT-2110	Urinalysis & Body Fluids	3
MEDT-2120	Clinical Immunology	3
	Total Credits	9

4th Semester (Fall - MLT Core Courses)		Credits
MEDT-2130	Clinical Chemistry	4
MEDT-2140	Clinical Hematology & Hemostasis	4
MEDT-2150	Clinical Immunohematology	4
MEDT-2160	Clinical Microbiology II	4
	Total Credits	16

5th Semester (Spring- MLT Core Courses)		Credits
MEDT-2200	Practicum: Microbiology	3
MEDT-2230	Practicum: Chemistry	3
MEDT-2240	Practicum: Hematology & Hemostasis	3
MEDT-2250	Practicum: Immunohematology	3
	Total Credits	12

6th Semester (Summer - MLT Core Courses)		Credits
MEDT-2210	Practicum: Urinalysis	2
MEDT-2220	Practicum: Immunology	2
MEDT-2300	MLT Certification Examination Preparation Review	3
	Total Credits	7
	Total AAS Credits	78.5

\*Students who possess an active Phlebotomy Technician (PBT) certificate through the American Society for Clinical Pathology-Board of Certification (ASCP-BOC) may waive this course.

## Clinical Affiliates

- Morrill County Community Hospital | Bridgeport, NE.
- Box Butte General Hospital | Alliance, NE.
- Sidney Regional Medical Center | Sidney, NE.
- Regional West Medical Center | Scottsbluff, NE.
- Cheyenne VA Medical Center | Cheyenne, WY.

Special Admissions Requirements apply to this program, please email the program director for more information.

## YOUR INVESTMENT

### TUITION AND EXPENSES

**\$3,720**

In-State  
Tuition + Fees

### IN-STATE TOTAL

**\$10,754\***

Tuition and Fees + Room and Board

+ **\$7,034** =  
Room + Board

**\$3,750**

Out-Of-State  
Tuition + Fees

### OUT-OF-STATE TOTAL

**\$10,784\***

Tuition and Fees + Room and Board

\* Tuition and housing estimates reflect the cost of 15 credit hours per semester for the 2020-21 academic year. Cost does not reflect books and supplies. Visit [go.wncc.edu/financial-aid](http://go.wncc.edu/financial-aid) for more detailed information regarding financial aid and scholarship opportunities.

**AVERAGE FOUR-YEAR OUT-OF-STATE TOTAL \$38,330**  
**AVERAGE FOUR-YEAR IN-STATE TOTAL \$21,950**

[trends.collegeboard.org](http://trends.collegeboard.org)