



Program Overview

The Medical Laboratory Technician (MLT) program at Western Nebraska Community College prepares students to function as medical laboratory technicians who perform a wide range of routine and complex clinical laboratory procedures associated with blood and body-fluid analysis. A medical laboratory technician assesses the reliability/accuracy of the testing, maintains and operates diagnostic equipment, evaluates patient results, prepares analytical reagents and controls, troubleshoots problems with specimens/analyzers, and performs other duties. Medical laboratory technicians play an important role in the detection, diagnosis, and treatment of many diseases.

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 Degree in Medical Laboratory Technician

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: <https://www.bls.gov/ooh/healthcare/medical-and-clinical-laboratory-technologists-and-technicians.htm>.

The WNCC MLT program has been given a "Serious Applicant Status" for accreditation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119; (773) 714-8880. Learn more about our program at www.wncc.edu/academics/programs-of-study/medical-laboratory-technician.

Contact

**Dr. Mwafaq Haji, DVM,
MLS (ASCPi), CM**
MLT Program
Director & Instructor
308.635.6124
hajim5@wncc.edu



Western Nebraska
Community College

Medical Laboratory Technician

Associate of Applied Science ----- Scottsbluff Campus

Mission Statement

- Provide quality instruction, by preparing the graduate with technical skills necessary to obtain and process quality laboratory specimens.
- Perform routine clinical laboratory testing in all major areas of the laboratory.
- Obtain technical knowledge required to pass the national certification examination and become an important member of a health care team.

Objectives

- Provide a curriculum that will promote development of skilled medical laboratory professionals.
- Prepare graduates with entry-level competencies to meet the needs of the community and the medical profession.
- Provide students with adequate knowledge and background experience to qualify for national certification examinations appropriate to their level of training.
- Promote development of professional conscience. Provide a curriculum that facilitates matriculation to an associates and or four-year degree program.
- Maintain standards consistent with the National Accrediting Agency for Clinical Laboratory Science (NAACLS's Standards).

Recommended Plan of Study

1st Semester (Fall - Prerequisite Courses)

Class		Credits
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)

Class		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)

Class		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)

Class		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)

Class		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)

Class		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.

YOUR INVESTMENT

TUITION AND EXPENSES

\$3,645

In-State Tuition + Fees

IN-STATE TOTAL

\$10,557*

Tuition and Fees + Room and Board

+ **\$6,912** =
Room + Board

\$3,675

Out-Of-State Tuition + Fees

OUT-OF-STATE TOTAL

\$10,587

Tuition and Fees + Room and Board

* Tuition and housing estimates reflect the cost of 15 credit hours per semester for the 2019-20 academic year. Cost does not reflect books and supplies.

AVERAGE FOUR-YEAR OUT-OF-STATE TOTAL \$37,430

AVERAGE FOUR-YEAR IN-STATE TOTAL \$21,370

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