

MEDICAL LABORATORY TECHNICIAN

Health Occupations Division

MEDICAL LABORATORY TECHNICIAN

The Associate of Applied Science **Medical Laboratory Technician (MLT) Program** is designed to prepare students for employment in medical, clinical, research and public health laboratories. The technician collects or receives patient specimens, performs many general laboratory tests, records data, and reports results to physicians to aid in the diagnosis and treatment of disease.

The MLT program combines academic general education with a concentration in basic life sciences, didactic studies in medical laboratory science, and clinical training at hospital laboratories. The program requires two years, (four semesters and one summer session) of full-time study. Students with previous college work may apply for advanced placement pending evaluation of transcripts. Upon completion of the academic and clinical requirements, students will be awarded an associate degree and become eligible to take the national certification examination.

Students completing the MLT program may transfer up to sixty semester credit hours to the University of Nebraska Medical Technology program.

The Mid-Plains MLT program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Rd., Suite 720, Rosemont, IL 60018-5119. Phone: 773-714-8880. Website: www.naacls.org

Program Objectives

- Possess the appropriate and necessary competencies for entry level employment in the medical laboratory.
- Demonstrate the appropriate and necessary personal and work characteristics that contribute to effective job performance and relations.
- Use appropriate and necessary communication skills to ensure success in job performance, job relations and job retention.
- Apply the theory of technical specialization using critical thinking/reasoning while working independently.
- Use mathematical data and reasoning skills in relation to the medical laboratory.
- Be prepared to take external certification examinations.

Employment Opportunities

Medical laboratory technicians are employed by hospitals, clinics, doctors' offices, veterinary clinics, research centers, colleges and universities, medical schools, government agencies, and industrial medical laboratories.

Recommended Electives

Students wishing to pursue an Associate of Arts degree will have to complete additional general education requirements.

Admission Requirements and Procedures

The MLT program is a **selective admission program**. Upon contacting the MLT Program Director, prospective MLT students will undergo a screening process. Prior to admission to the MLT program, the applicant must meet the following criteria:

- Be at least 17 years of age
- Possess a high school diploma or GED
- Be able to meet essential functions (contact MLT Program Director for specific details)
- Submit official high school transcript or GED to Mid-Plains Community College
- Submit official college transcripts if other than Mid-Plains Community College
- Fulfill Mid-Plains Community College General Admission Requirement
- Complete application to Mid-Plains Community College specifying interest in MLT program
- Submit MLT program application
- Submit three letters of recommendation from teachers and/or current employers
- Complete COMPASS/ESL® placement exam with minimum scores of: Writing – 48, Reading – 76, Pre-Algebra – 43
- Submit a Pre-Entrance Medical Statement
- Submit proof of health care coverage
- Submit documentation of current immunizations or proof of immunity
- Have satisfactory Criminal Background Check results
- Must not be, and at no time have been, excluded from participation in any federally funded health care program
- Schedule an interview with the MLT Program Director

All of the above admission requirements must be met prior to being accepted into the MLT program. Failure to respond to requests for information, incomplete files, or failure to meet deadlines will inactivate the application for MLT program admission. Approval for admission will be granted by MLT program faculty with the final approval decision resting with the MLT Program Director. After MLT program admission approval is granted, the student will be accepted into the first available class and receive written notification of acceptance.

MEDICAL LABORATORY TECHNICIAN CONT'D

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**ASSOCIATE OF APPLIED SCIENCE DEGREE
MEDICAL LABORATORY TECHNICIAN**

Suggested Sequence of Study

First Semester (Fall) Credit Hours

BIOS 1010	General Biology	4
CHEM 1050	Survey of Chemistry I OR	
CHEM 1090	General Chemistry I	4
ENGL 1010	Expository Writing I	3
MEDT 1000	MLT Orientation	2
SPCH 1090	Fund of Human Communication	3
	Total	16

Second Semester (Spring) Credit Hours

BIOS 1100	Basic Anatomy & Physiology	3
CHEM 1060	Survey of Chemistry II OR	
CHEM 1100	General Chemistry II	4
MEDT 1710	Immunology	1.5
MEDT 1100	Hematology	5
OFFT 2150	Integrated Information Processing	3
	Total	16.5

Summer Credit Hours

BIOS 1110	Microbiology	4
MEDT 1060	Laboratory Math	1
MEDT 2010	Serology	1.5
MEDT 2250	Urinalysis	2
	Total	8.5

Third Semester (Fall) Credit Hours

MEDT 2100	Medical Microbiology	5
MEDT 2410	Clinical Chemistry	5
MEDT 2500	Blood Banking	4
PSYC 1810	Intro to Psychology OR	
SOCI 1530	Intro to Sociology	3
	Total	17

Fourth Semester (Spring) Credit Hours

MEDT 2720	Clinical Hematology Practicum*	4
MEDT 2730	Clinical Chemistry Practicum*	4
MEDT 2740	Clinical Microbiology Practicum*	4
MEDT 2750	Clinical Blood Bank Practicum*	4
MEDT 2760	Clinical Urinalysis Practicum*	1
MEDT 2770	Clinical Special Studies*	1
	Total	18

A.A.S. Degree Total 76

**Clinical Practicums are conducted in hospital laboratories affiliated with the program for a period of 18 weeks (5 of these 18 weeks are in North Platte). Students must be prepared to drive or find lodging on their own to attend clinical practicum experience. Clinical site assignments are made by one of the following:*

- 1. Agreement among classmates for site choices.*
- 2. If no agreement can be reached, the Program Director will assign student sites.*

All program coursework must be successfully completed prior to beginning clinical practicums.