

# MLT Curriculum

## Prerequisite Courses

Then following prerequisites should be completed prior to beginning the MLT rotation. All prerequisites are available online with the exception of SOC 100, ANAT 142 (8 labs at LATC), MICR 231 (labs at LATC)

	<u>Credits</u>
-	
ANAT 142 Anatomy (8 labs at LATC)	3
CHEM 106-106L Inorganic Chemistry	4
MATH 101 or 102 Intermediate or College Algebra*	3
PSYC 101 General Psychology*	3
CSC 100 Computer Concepts	1
MA 115 Medical Terminology	1.5
ENGL 101 Composition* or SPCM 101 Speech*	3
ECON 105 Leadership in the Global Workplace	
OR	
SOC 100 Intro to Sociology* (not available online)	3

## First Year-Fall Semester

MLT 101 Intro to Medical Laboratory	2
MLT 105 Urinalysis & Body Fluid	3.5
MLT 215 Clinical Chemistry	4
<b>Total</b>	<b>9.5</b>

## Spring Semester

MLT 116 Hematology I	2
MLT 118 Clinical Microbiology I	3
MLT 201 Immunology	4
<b>Total</b>	<b>9</b>

## Second Year-Fall Semester

MLT 135 Principles of Phlebotomy	1
MLT 217 Clinical Microbiology II	2
MLT 212 Hematology II	3
CSS Computer Concepts	1
<b>Total</b>	<b>7</b>

## Second Year-Spring Semester

MLT 125 Seminar	.5
MLT 221 Immunohematology	4
MLT 205 Applied Phlebotomy	1
CSS 100 Career Search Strategies	.5
<b>Total</b>	<b>6</b>

## Clinical Practicum (Taken when all other courses are completed—including generals)

MLT 226 Practicum I (9wks)	6
MLT 231 Practicum II (9 wks includes SIM LAB)	6
MLT 236 Practicum Correlation	1
<b>Total</b>	<b>13</b>

\*Courses marked with an asterisk (\*) can be transferred directly to the university system.



## Medical Laboratory Technician Program

### E-Degree



**Fall Classes start in August**  
**Spring Classes start in January**

1201 Arrow Avenue  
Watertown, SD 57201  
605-882-5284 or 1-800-657-4344

Visit our MLT webpage:

<https://www.lakeareatech.edu/academics/edegrees/medical-laboratory-technician-e-degree>

## Accreditation

Accredited by the  
National Accrediting Agency for Clinical  
Laboratory Sciences (NAACLS)  
5600 N. River Road Suite 720  
Rosemont IL, 60018  
[www.NAACLS.org](http://www.NAACLS.org)  
773-714-8880

## What Do Medical Laboratory Technicians Do?

The medical lab profession is an interesting, exciting and important field. The lab work you perform and the test results you obtain will impact the lives of patients by providing physicians with information to help diagnose and treat their conditions. A sampling of what you will learn to do includes:

- **Detect anemia and leukemia by identifying and counting blood cells**
- **Perform chemical tests on blood to detect help control diabetes**
- **Monitor levels of patient medications to ensure they are working correctly**
- **Provide compatible blood for patients needing transfusions**
- **Identify bacteria causing a patient's infection and determine the best antibiotic for treatment.**

Get your degree for free! Our Med Lab Tech program is an eligible program for the



See our website or go to [builddakotascholarships.com](http://builddakotascholarships.com) to see applicant requirements!



## Hybrid E-Degree

To fill the increasing need in South Dakota and the surrounding area, Lake Area Tech offers the Medical Laboratory Technician E-Degree to individuals residing in South Dakota, and the bordering states,; North Dakota, Minnesota, Iowa and Nebraska. Due to travel required for labs at LATC, the online option is most successful for those living within 3-4 hours of our campus.

Lectures and assignments are available online with tests administered by acceptable proctors. Labs are held monthly at LATC. Approximately 8 hours of lab will be required for every MLT credit taken. For example, for a 4 credit class will you will spend about 32 hours in labs on campus. A lab schedule will be sent at the start of each semester so all online students can make plans for their attendance at these mandatory labs.

MLT specific coursework via a part time rotational schedule will begin after prerequisite courses have been completed. At this time you will complete four semesters of part-time enrollment followed by one semester of full-time clinical practicum at an approved clinical site. Clinical will begin after all prerequisites and MLT classes have been completed successfully.

## Have You Completed Previous College Courses?

If you have completed classes at another educational institution and would like information on which of your classes will transfer to LATC, please email a copy of your transcript to:  
[Kelsi.houge@lakeareatech.edu](mailto:Kelsi.houge@lakeareatech.edu)

## Application to the MLT Program

Please submit the following:

- Online application through the LATC website
- Pay the application fee
- Official High School Transcript
- Official College Transcripts, if applicable
- ACT scores or contact the Admissions Office (605.882.5284) to schedule the Accuplacer entrance exam

Applications will be reviewed for acceptance upon completion.

## Upon acceptance:

Please provide a record of the following:

- \*MMR (2 doses)
- \*Hepatitis B series (completed or in progress)
- \*Tdap within last 10 years
- \*Varicella titer or two immunizations

Prior to clinical (within the year), complete:

- \*2 step TB test
- \*Criminal Background Check – at the student's expense.