



UtahStateUniversity™ HEALTH PROFESSIONS

Medical Laboratory Technician Program

Application and Information Packet
HEALTH PROFESSIONS

DEADLINE: First Friday in August for Fall Semester

Health Professions at Utah State University

Medical Laboratory Technology (MLT) Program

Medical Laboratory Technicians work under the supervision of a medical technologist or physician to perform tests that help physicians diagnose and treat diseases. MLT's prepare samples for analysis, use equipment to identify micro-organisms, monitor tests and procedures, analyze the chemical content of fluids, match blood for transfusions, and test for drug levels in the blood.

Our MLT students will train in clinical settings. After students demonstrate proficiency in all areas of clinical aspects through course work and practicums, student will be placed in clinical rotations to get the best experience possible. These clinical rotations are an important part of the program. Students must commit to attending all clinical rotations that they are scheduled to participate in.

The MLT Associate of Applied Science Degree is designed for students who wish to complete their education within two years plus one semester of prerequisites. The Associate of Applied Science degree is offered through the Health Professions Programs.

Medical Laboratory Technology Program Entrance Requirements

Utah State University Blanding and Utah State University Eastern both have an open admission policy. Applicants will be admitted without regard to race, color, religion, sex, national origin, age, disability, or veteran's status. In addition, discrimination on the basis of sexual orientation for employees in all aspects of employment and for students in academic programs and activities is prohibited. High school graduation or a GED is required to be accepted into the program. Acceptance into this program will be by the application process.

Admissions Procedures (2-STEPS)

1. **STEP ONE:** As a perspective student, you must first apply for admission to become a Utah State University student. To be officially admitted to USU as a full-time matriculated student, an applicant must submit the following:

- A. A completed [Application for Admission](#).
- B. A \$50 nonrefundable application fee (**NON-RESIDENTS ONLY**).
- C. Official high school transcripts or GED
- D. Official ACT or SAT scores (optional)
- E. Concurrent enrollment transcripts

All students entering into the MLT Program will submit a declaration of the MLT major through the Application for Admission. Students desiring to change their majors after acceptance are required to complete "A Change of Major" form at the Admissions and Records Office.

Notification of acceptance and resident status will be sent from the Health Professions Department Chairperson. If a student's application is incomplete at the time of registration, the student will not be admitted to the program. Students applying for financial aid, must be a high school graduate or GED recipient, and be matriculated before receiving aid.

Returning Students

A student who has been away for more than three years must submit a new application for admission. Those who have attended other colleges or universities in the interim will be asked to submit transcripts of all college credits.

Enrollment Prior to High School Graduation

An academically qualified high school student who wishes to enroll at USU Eastern, USU Blanding, or USU Moab must fill out a Concurrent Enrollment-Early College form as well as a Student Acknowledgement & Parental Consent Agreement form. **Students may work concurrently on high school classes and the college courses required for acceptance into the MLT Program, while still in high school.**

Transfer Students

A transfer student from another college or university must submit the following:

1. **A completed USU Application for Admission.**
2. A \$50 one-time nonrefundable application fee (NON-RESIDENTS ONLY).
3. Official transcripts of all previous college work. (Official transcripts must be sent directly from the previous school. Hand carried transcripts will not be accepted.)
4. A transfer student cannot transfer credits with D or E (F) grades or credits from developmental or remedial courses. **Grades of C or better will be allowed for all classes required for the Program. Credits from remedial classes will not be accepted.**
5. The student must be in good standing and eligible to re-enroll at the college or university where they were most recently registered.
6. Transfer students will not be matriculated until official transcripts of all high school, previous college or university work are submitted to USU Eastern Blanding, USU Moab or USU Blanding.

Students with Disabilities

If a student has a disability that qualifies under the Americans with Disabilities Act (ADA) and requires reasonable accommodation, that student should contact the Disability Resource Center (DRC) for information on appropriate policies and procedures. Students may contact the DRC to determine if they qualify for accommodations. Disabilities covered by ADA may include learning, sensory, emotional, physical or medical impairments. Students may call directly to the USU DRC at 1-435-797-2444. Students should contact the DRC as early in the semester as possible.

STEP TWO: To apply to the MLT Program once you have become a USU student you must:

- A. Complete the Medical Laboratory Technician Online Application

<https://caas.usu.edu/health-professions/mlt>

OR meet with:

Marla Palomares Ruiz, Advisor for Health Professions

Utah State University Blanding and Moab Campuses

HSL Building Room 201B

576 West 200 South Blanding, UT 84511

(You may mail applications to this address)

435-678-8221

marla.palomaresruiz@usu.edu

OR

Danyan Powell, Advisor for Health Professions

Utah State University Eastern Campus

451 East 400 North, One-Stop Building Room 111

Price, UT 84501

435-613-5351

danyan.powell@usu.edu

- B. Students must have a minimum **GPA of 3.00 for admittance** into the program and **maintain a 2.67 GPA throughout the program**
- C. **Advising** - Students interested in the MLT Program must complete a MLT Program Application, be accepted and provide all required documents **PRIOR** to registering for MLT classes.
- D. **Program Costs** – Students are responsible for tuition, course fees and student fees. For information on tuition, course fees and student fees, please visit:
https://www.usu.edu/budget/files/tuition_and_fees/2024-25-usu-tuition-fee-schedule.pdf
(Scroll down to Statewide Campuses (Blanding, Price, Moab))
- E. **Registration Date and Time** - Please visit the USU Eastern, USU Blanding, or USU Moab Website for registration information.
- F. **Background Check** - The background check must be ordered and/or uploaded to your Compliance Tracker packet through CastleBranch. Please use this link: portal.castlebranch.com/ut61 *A fee will be charged.*
- G. **Drug Screen** – Students on Blanding campus ONLY must visit with the Health Professions Staff Assistant at the Health Professions Building, 344 West 800 North, to complete the Drug Screen. For USU Eastern students and USU Moab students, please see your Health Professions advisor for the drug screening process.
- H. **Required Immunizations** - All immunizations below are required. All records must be complete and on file with Program Director **PRIOR** to beginning your program:

Hepatitis B

- Provide written evidence from your healthcare provider or immunization record indicated the three (3) dates you have received the vaccine series, **AND**
- Provide written documentation of titer results as “Reactive.”

Tuberculosis

- 2-step TST (two separate Tuberculin Skin Tests, aka PPD) is placed no sooner than seven (7) days apart. The 2-step TST must be completed at the time the student begins the MLT program. **OR**
- One (1) QuantiFERON Gold blood test with negative result. **OR**
- One (1) T-SPOT blood test with negative result.
- If there is history of a positive TB skin test, the student must see a physician for evaluation or risk AND have chest x-ray report showing no evidence of active disease is required.

Tdap

- One (1) adult dose Tdap is required for USU ST Program. A tetanus/diphtheria (Td) booster is required if 10 years have elapsed since the last booster.

The CDC Advisory Committee on Immunization Practices recommends that all healthcare personnel, regardless of age, should receive a single dose of Tdap as soon as feasible if they have not previously received Tdap regardless of the time since last Td dose.

Measles, Mumps and Rubella (MMR)

- Students must provide written evidence of the required two (2) vaccines; **OR**
- Provide written documentation of titer results (blood test). Verbal history of disease is NOT reliable and will not be accepted.

Varicella (Chicken Pox)

- Proof of two (2) Varicella vaccinations. **OR**
- Proof of immunity to Varicella through a blood titer.

Flu (Influenza)

- Students must provide written evidence of having received the seasonal flu vaccine by October of current year.
- Students must maintain compliance with annual flu vaccinations during their enrollment in the ST program.

• **Covid -19**

- Students should have two vaccinations + one booster.

To complete the program successfully, students will need to be fully vaccinated against Covid-19 SARS virus. This is the requirement of our clinical affiliates in order to students to enter their facilities to complete clinical rotation

I. Health Requirements

- **Basic Cardiac Life Support** - Prior to the designated deadline, all students are required to show proof of certification in Basic Cardiac Life Support. Students may enter the program without certification, but must obtain BLS certification during the first semester of the cohort. Each student must maintain current certification throughout their educational experience.
- **HIPAA and Blood borne Pathogens** - Each student will sign a statement reflecting they have received instruction and understand Blood borne Pathogen Exposure and HIPAA compliance prior to attending clinical rotations.
- **Physical Health** - Physical health is defined as being free of disabling and contagious disease, being able to perform fine and gross motor skills, being able to perform normal weight-bearing ambulatory activities as well as abstaining from illegal use of controlled substances or abuse of alcohol or prescribed medication.

All students are required to meet these essential functions with or without accommodations for disability:

- **Stand or sit for 10 hours per day.**
- **Push and pull 50 pounds.**
- **Lift and support 25 pounds.**
- **Move within confined spaces.**
- **Manipulate suture as fine as a human hair either with/without glasses or contacts.**
- **Effective verbal communication in English without visual clues.**
- **Hear normal speaking level sounds.**
- **Hear in situations when not able to see lips (e.g., when masks are used).**
- **Communicate verbally with others.**

If a physical condition threatens to prevent satisfactory performance, the applicant is counseled and referred to an appropriate professional. An applicant who has had an existing problem(s) (physical or emotional) must provide certification from a physician that the condition(s) is/are stable and the student is able to participate fully in the program. A plan of treatment for said condition(s) is to be in the applicant's file in the MLT Program Director's Office, which is kept in a locked file drawer.

- **Emotional Health** - Emotional health is defined as reacting appropriately to stressful situations, coping with every day environmental stresses with little difficulty, using healthy coping mechanisms, and understanding one's own ability to cope with stressful situations. Assessment of the emotional health of an applicant is made through the use of physical examinations, personal conferences, references, and letters from mental health care providers if intensive therapy is in progress or has occurred, and psychological evaluations if necessary.

The program faculty believes that the practice of surgical technology involves cognitive, sensory, affective, and psychomotor performance requirements. Therefore, the essential eligibility requirements for participants in an MLT education program shall be further defined according to the previously listed physical and emotional requirements.

Waivers:

A student may receive a waiver on health grounds if he or she presents a written statement from a healthcare provider indicating that immunization against any or all of the diseases for which immunization is required is medically contraindicated, detrimental to, or not in the best interest of the student. Specific reasons should be noted, such as allergy to components of the vaccine. The physician's statement shall document whether the contraindication is permanent or temporary, and if temporary, provide assurance that the student will receive immunization(s) at the first reasonable opportunity. (For example, rubella vaccine should not be given to pregnant women.) If the student fails to complete the immunizations and provide evidence of same, the student will not be permitted to enter or remain in the program. If the student objects to any immunization due to religious beliefs, he or she must submit a signed written statement stating that they have chosen not to be immunized because he or she is an adherent to a religion the teachings of which are opposed to such immunizations.

Students who are unwilling or unable to comply with the immunization policy of the MLT Program must understand that some clinical agencies prohibit the presence of unvaccinated students at their facility. While USU will make reasonable efforts to find appropriate alternate clinical rotations for these students, there is always the risk the student will not be permitted to complete clinical or practicum rotations which are a required part of the MLT curriculum.

****Students will be required to turn in this packet to the Health Professions Advisor with all of the above records. Students should keep a copy of all records for their own files.***

Note: Moving out of the MLT Program service area may adversely impact the student's ability to successfully complete the MLT Program or gain employment in the Medical Technology field.

The USU MLT program is offered as a hybrid (blended-course) delivery. There are no additional costs or requirements for distance education students.

Competitive Ranking

The USU MLT Program accepts a maximum of 20 students per cohort: 10 students on the Price campus and 10 students between the Blanding and Moab campuses.

Should the number of applicants exceed the number allowed, then competitive ranking will happen. If the number of qualified applicants exceeds the number listed above, then the admission process becomes competitive and the selection criteria of the top applicants for the program are based on a ranking system. This system is utilized to determine the most qualified students based on their performance on the Accuplacer/ALEKS Placement, or ACT. Ranking will be awarded as follows: (50%) University or high school cumulative GPA (25%), and points awarded for courses completed in the MLT pre-requisites, previously earned degree(s), and health care related work experience (25%). The program does not grant advanced placement for experiential learning. If the number of qualified applicants does not exceed the maximum number of applicants, then no pre-admission meeting will be held. Instead, the applicants will be required to attend a mandatory orientation meeting or meet with Program Director.

Essential Functions:

These are abilities and skills which students must possess in order to successfully complete the training associated with the curriculum of MLT Program. In addition to the academic admission requirements, the following essential functions are required for all students entering the MLT Program.

MLT students must:

- Possess sufficient manual dexterity and good hand-eye coordination to obtain and manipulate specimens, reagents, glassware, instruments and equipment.
- Be able to move easily from one location to another in the laboratory to do testing and through patient areas to perform specimen collection.
- Be able to visualize objects through a microscope and distinguish color, shape and structure of organisms and cells.
- Be capable of identifying and differentiating appearance, clarity, color, consistency during macroscopic examination.
- Possess effective written and oral communication skills in order to accurately transmit information to patients, physicians and other healthcare professionals.
- Be able to maintain patient confidentiality and to exercise ethical judgment, integrity, dependability and accountability.
- Be able to function effectively under stress and to adapt to rapidly changing environment and technology.
- Be able to work independently as a member of a team to maintain the highest standards in the delivery of patient care.
- Be capable of recognizing limitations in their knowledge, skills and abilities and to seek appropriate assistance with their identified limitations.

Externship Orientation

Prior to initiating any clinical or externship experience, students are required to attend an orientation with the appropriate sites that they will be attending for their externship experience. At times, this may require students completing experience at several hospital labs to attend orientations for each of those hospital labs

Laboratory Experience

Our MLT students will train in various laboratory settings. After students demonstrate proficiency in all areas of externship aspects through course work and practicums, students will be placed in lab rotations to get the best experience possible. These lab rotations are an important part of the program. Students must commit to attending all lab rotations that they are scheduled to participate in. Students are responsible for travel costs and must have a reliable source of transportation to their lab rotations.

The USU Medical Lab Technology Program utilizes the following training facilities:

- Blue Mountain Hospital – Blanding, UT
- Castleview Hospital – Price, UT
- Intermountain Health System – Provo, UT
- Moab Regional Hospital – Moab, UT
- San Juan Hospital – Monticello, UT
- Southwest Memorial Hospital – Cortez, CO

Medical Laboratory Technician Program Requirements

Application packet deadline: 1st Friday of August for Fall Cohort

The MLT Application must be submitted by the **first Friday of August for the Fall Cohort**. Cohorts start annually each Fall semester. Students must have prerequisite courses completed by this time with a **minimum overall GPA of 3.00 or higher to be admitted, and maintain a 2.67 GPA throughout the program.**

PREREQUISITES: *

COURSE		
ENGL 1010	Introduction to Writing	3
CHEM 1010	Introduction to Chemistry	3
CHEM 1015**	Introduction to Chemistry Lab	1
MATH 1050	College Algebra	4
TOTAL		11

*HEAL 1500, Anatomy & Physiology; HEAL 1008, Medical Terminology; and HEAL 1860, Phlebotomy is not required but are strongly encouraged.

SEMESTER ONE:

ENGL 2010	Intermediate Writing	3
BIOL 1010	Biology and the Citizen	3
BIOL 1013**	Biology and the Citizen Lab	1
PSY 1010	General Psychology	3
MLT 1010	Introduction to Medical Laboratory	3
TOTAL		12-13

SEMESTER TWO:

CHEM 1110	General Chemistry I	4
CHEM 1115**	General Chemistry I Lab	1
MLT 2230	Urinalysis and Other Body Fluids	4
MLT 2240	Hematology	6
TOTAL		14-15

SEMESTER THREE:

CMST 2110	Interpersonal Communications	3
MLT 2270	Immunology/Serology	3
MLT 2430	Clinical Chemistry I	3
MLT 2570	Clinical Microbiology I	5
TOTAL		14

SEMESTER FOUR:

MLT 2280	Immunochemistry	5
MLT 2450	Clinical Chemistry II	4
MLT 2580	Clinical Microbiology II	5
MLT 2550***	Practicum in Medical Technology	3
TOTAL		17

**Labs not offered at Price or Moab and may be waived

*** There are 120 hours of practicum required

Criteria for successful completion of the MLT Program:

Graduation from the USU MLT program is contingent on completing all of the requirements for graduation and successful completion of the program. Although students are encouraged to sit for the National Certification Exam, a student's graduation is not contingent on sitting for the exam.

Accreditation

Utah State University Eastern, Utah State University Moab and Utah State University Blanding Medical Laboratory Technician programs are programmatically accredited through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). NAACLS is committed to being the premier agency for international accreditation of educational programs in the clinical laboratory sciences and related health care disciplines. Qualified USU MLT graduates are now eligible to sit for the National Certification exam through the American Society of Clinical Pathology (ASCP) or the American Medical Technologists (AMT).



**National Accrediting Agency for Clinical Laboratory Sciences
(NAACLS)**

**5600 N River RD, STE 720
Rosemont, IL 60018-5119**

info@naaccls.org

UtahStateUniversity.

HEALTH PROFESSIONS

Health Programs: Medical Lab Technician Admissions Checklist

- Online application and acceptance to USU Blanding, USU Moab, or USU Eastern
- Submit application for MLT Program with a copy of GED/High School/College transcripts.
- Submit MLT Student Contractual Agreement from student handbook by the first day of class.
- Complete Blood-Borne Pathogens & HIPPA during first week of semester one.
- Complete Background Check through Castlebranch. USU Blanding students pay Cashier \$30.00 for drug screen to be completed by Health Professions program. For USU Eastern and USU Moab students, please see your Health Professions advisor for the drug screening process.
- Submit Student Health History/Immunization Form (from Student Handbook).
- Immunization record from healthcare provider to document:
 - Hepatitis B vaccination series completed with “reactive” titer.
 - 2-step TB skin test (within past 12 months)
 - Tdap (1 adult dose)/Td booster (if 10 years since last Tdap)
 - MMR x 2
 - Varicella x 2 (see page 4)
 - Influenza annually
 - Covid-19 x 2 plus booster
- Pre-requisite:
 - ENGL 1010
 - MATH 1050
 - CHEM 1010
 - CHEM 1015

Application packet deadline: Cohorts begin each Fall Semester.

Packet Deadline is the First Friday of August.

Marla Palomares Ruiz, Advisor for Health Professions

Utah State University Blanding and Moab

HSL Building Room 201B

576 West 200 South Blanding, UT 84511

(You may mail applications to this address)

435-678-8221 marla.palomaresruiz@usu.edu

OR

Danyan Powell, Advisor for Health

Professions Utah State University

Utah State University Eastern

451 East 400 North, One-Stop Building Room 111

Price, UT 84501

435-613-5351 danyan.powell@usu.edu

MLT Application can be filled out and submitted online at:

<https://caas.usu.edu/health-professions/mlt>

Note: A copy of the above documentation needs to be maintained and updated as appropriate by the student and as requested by the instructor and/or staff assistant.

UtahStateUniversity[®]

HEALTH PROFESSIONS

MEDICAL LABORATORY TECHNICIAN PROGRAM

DEADLINE: First Friday in August for Fall Semester

Application

Name (Print) _____
Last First Middle

Names Previously used: _____

Student USU A#: _____ Campus attending: _____

Phone: Day _____ Evening _____ Cell _____

Mailing Address _____

City _____ State _____ Zip _____

Age _____ High School Attended _____

Email Address _____

(This email will be used to contact you about the MLT Program)

Emergency Contact _____ Phone _____

I have provided true, complete and correct information on this application. I have read and understand the information presented in this packet.

Signature _____ Date _____

MEDICAL LAB TECHNICIAN STUDENT CHECKLIST

Name	Prereqs	
A#	ENGL 1010 - Introduction to Writing	
GPA	CHEM 1010 - Introduction to Chemistry	
CUM	CHEM 1015 - Introduction to Chemistry Lab	
	MATH 1050 - College Algebra	
	Core Classes	
SEM 1	ENGL 2010 - Intermediate Writing	
	BIOL 1010 - Biology and the Citizen	
	BIOL 1013 - Biology and the Citizen Lab	
	PSY 1010 - General Psychology	
	MLT 1010 - Introduction to Medical Laboratory	
SEM 2	CHEM 1110 - General Chemistry I	
	CHEM 1115 - General Chemistry I Lab	
	MLT 2230 - Urinalysis & Other Body Fluids	
	MLT 2240 - Hematology	
SEM 3	CMST 2110 - Interpersonal Communication	
	MLT 2270 - Immunology/Serology	
	MLT 2430 - Clinical Chemistry	
	MLT 2570 - General Microbiology I	
SEM 4	MLT 2280 - Immunochemistry	
	MLT 2450 - Clinical Chemistry II	
	MLT 2580 - Clinical Microbiology II	
	MLT 2550 - Practicum in Medical Technology	
	Application	
	Background Check	
	Immunizations	
	Hepatitis B (3 dose series)	
	Measles, Mumps & Rubella (MMR) 2-dose	
	Tuberculosis (TB) 2-step	
	Varicella (2 dose or titer test)	
	Influenza (Seasonal as required)	
	Tetanus, Diphtheria, Pertussis (Tdap)	
	COVID-19 (fully vaccinated)	
	BLS requirement	
	Drug Screening	
	High School Attestation	
	Enrollment Agreement	
	National Test Payment	
	Apply for graduation	
	Physical Locations Attestation	