

Essential Standards:

Essential standards are the non-academic requirements of the program that a student must be able to master in order to successfully participate in the MLT program and become employable.

Examples of this program's essential standards are provided below. If you are not sure that you will be able to meet these standards, please consult with the MLT Program Director for further information and to discuss your individual situation.

Visual Skills:

A student in the MLT program must possess sufficient visual skills to accurately perform and aid in the interpretation of laboratory assays, including the ability to:

- Read calibration lines on pipettes and laboratory instruments that are one millimeter apart.
- Distinguish between solutions that are clear, opaque or particulate in test tubes and/or on glass slides.
- Identify stained and unstained cellular components in the range of one-micrometer using a binocular bright-field microscope.
- Differentiate color reactions.
- Be able to easily distinguish between numbers (computer screen and printed)

Manipulative Skills:

A student in the MLT program must possess adequate manipulative skills to perform a variety of laboratory assays, including the ability to:

- Turn dials, press keyboards, and move switches on laboratory instruments.
- Use a rubber bulb to draw liquid into a marked pipette and then use a gloved finger to control the release of that liquid to within one millimeter of a fixed point on the pipette.
- Isolate bacteria in microbiology by smoothly moving a loop (a 12-inch wire with a looped end) over the surface of an agar (gel) culture plate without tearing the surface of the agar.
- Manipulate and observe large and small objects and biological specimens without endangering the integrity of the object or the health and safety of people.

Cognitive Skills:

A student in the MLT program must possess skills that enable him/her to coordinate with other persons both in and out of the lab, including the ability to:

- Effectively interface with customers, co-workers, physicians, and administrators: practice good hospitality habits and communication skills.
- Read, write, and communicate effectively.
- Retain a sequence of steps and go through a sequence of steps unassisted.
- Have an awareness of time sequences as determined by timed tests or assays.
- Prioritize actions during an emergency, seek needed assistance and attempt to prevent undesirable secondary effects.
- React WITHOUT impulsiveness, belligerence, and argumentative or intrusive behavior.
- Understand spatial, structural and functional relationships between objects, animate or inanimate.
- Apply principles of quantitative measurements and calculations to real problems.

Affective:

The student should be able to:

- Maintain honest behavior at all times.
- Respect patients, peers, and faculty.
- Comply with established professional ethics.
- Accept responsibility for own actions.
- Remain receptive to change.
- React to life threatening situations in an appropriate manner and according to established policies and procedures.

The National Accrediting Agency for Clinical Laboratory Science requires specific essential standards to be defined and published for students. Please sign this form to indicate that you have read and understood the program technical standards and feel confident that you can meet them.

Student's Signature

Date