

Essential Functions

Essential functions are the essential 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 technical standards are provided below. If you are not sure that you will be able to meet these essential functions, 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 perform and interpret 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 on glass slides.
- Identify stained and unstained cellular components in the range of one micrometer using a binocular brightfield microscope.
- Differentiate color reactions. An applicant who is color blind cannot meet this standard.

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 keypads, 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.

COMPUTATIONAL SKILLS:

A student in the MLT program must possess computational skills needed for laboratory math calculations such as the conversion of milliliters to microliters.

The National Accrediting Agency for Clinical Laboratory Science requires us to define and publish "specific ... essential functions required for admission to the program" and to determine "that the applicants' or students' health will permit them to meet the ... essential functions ...". Please sign this form to indicate that you have read and understood the program's essential functions and believe that you can meet them.

APPLICANT'S SIGNATURE

DATE