

## Program Mission and Philosophy

The mission of the Saint Paul College Medical Laboratory Technician Program is to prepare Medical Laboratory Technicians with the necessary skills and knowledge base to work safely and effectively in the medical laboratory science profession.

## MLT Program Outcomes

The Medical Laboratory Technician Program strives to help students achieve career success in the profession. The program prepares competent graduates to meet the needs of the surrounding laboratory profession.

- The graduate will demonstrate proper use, calibration, adjustment, and operation of most laboratory precision instrumentation including clinical microscopes, spectrophotometers, centrifuges, computers, and automated laboratory analyzers.
- The graduate will demonstrate standard safety practices in the medical laboratory designed to prevent injury, illness, or loss of life to those working in and/or around the medical laboratory equipment with particular emphasis on the skills required for collection and testing of numerous body fluids and specimens using Standard Precautions (including the use of personal protective equipment).
- The graduate will correlate pathological conditions of the human body, including cause and symptoms, to the laboratory's role in diagnosis and treatment.
- The graduate will demonstrate organized work skills as reflected in efficient time and material utilization while performing proficiently and safely in the clinical environment.
- The graduate will perform a wide variety of testing procedures employed in a medical laboratory and relate the principles of quality assurance and importance of these procedures to patient safety and the diagnosis and treatment of disease processes in the following areas: clinical chemistry, hematology and hemostasis, urinalysis, microbiology, immunohematology, and immunology.
- The graduate is prepared to take the examination administered by the Board of Certification under the direction of ASCP.
- The graduate will demonstrate preparedness for entry level employment as a Medical Laboratory Technician including both technical expertise and effective communication skills.

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