

# ST. ELIZABETH SCHOOL OF MEDICAL LABORATORY SCIENCE

- St. Elizabeth Healthcare

## ACADEMIC REQUIREMENTS

Minimum overall GPA requirement is 2.8 on a 4.0 quality scale. Students must earn a 'C' or better in each of the following academic prerequisites. All prerequisites must be completed prior to admission to the program.

### Prerequisites

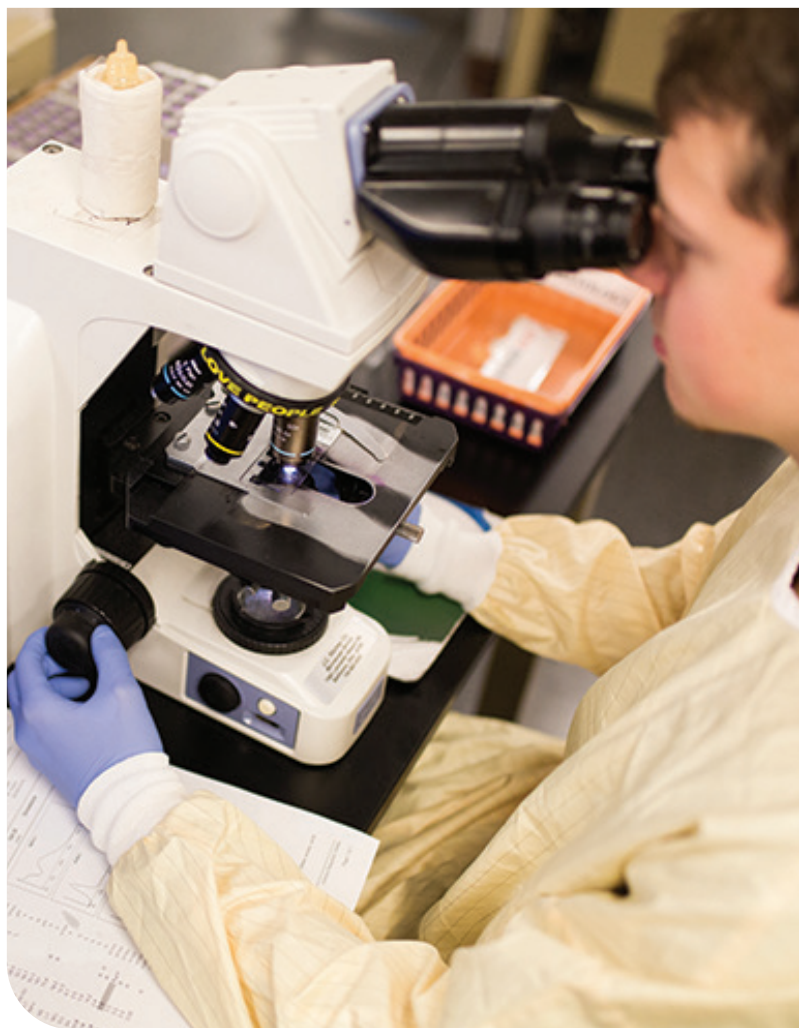
- Sixteen semester hours in chemistry which include organic or biochemistry. Organic or biochemistry must include a lab.
- Sixteen semester hours in biology to include immunology and a full course in microbiology. Microbiology must include a lab. Immunology may be a separate course or included as part of a microbiology course.
- One course in college level mathematics. Statistics is recommended.

## ADDITIONAL ADMISSION REQUIREMENTS

Transcript of college grades, three letters of recommendation, personal essay and a personal interview are required for admission consideration into the program.

## CURRICULUM

Curriculum at St. Elizabeth Healthcare School of Medical Laboratory Science consists of an 11-month program of both didactic and supervised clinical training. Experienced personnel provide instruction at St. Elizabeth Edgewood. Curriculum may include, but is not limited to: classroom presentations, discussions, demonstrations, laboratory exercises, computer aided instruction and supervised practice.



# DEPARTMENT ROTATIONS

## MICROBIOLOGY

Ten weeks combined of lecture and student lab, three weeks of clinical training. Basic principles of medical bacteriology, mycology, virology, parasitology, mycobacteriology and molecular techniques are covered.

## CLINICAL CHEMISTRY

Three and a half weeks of lectures, five weeks of clinical training. Qualitatively and quantitatively analyze blood and other body fluids for chemical constituents such as proteins, carbohydrates, enzymes, electrolytes, therapeutic drugs and drugs of abuse.

## HEMATOLOGY

Three and a half weeks of lecture, four weeks of clinical training. Development of skills needed to perform manual cell counting, electronic cell counting, peripheral and bone marrow morphology.

## IMMUNOHEMATOLOGY

Six weeks combined of lecture and student lab, one week clinical training. Theory and practice of procedures related to the selection of donors, antigen and antibody identification, compatibility testing, blood processing and component therapy are covered.

## URINALYSIS

One week of lecture, one week of clinical training. Information and experience in the physical, chemical and microscopic analysis of urine.

## IMMUNOLOGY

Two weeks of lecture, one week of clinical training. Study of the immune's systems reactions to diseases and the methods used to establish a diagnosis.

## COAGULATION

One week of lecture, one week of clinical training. Obtain knowledge of the coagulation cascade and bleeding disorders.

## LAB OPERATIONS

One week of lecture. Budgets, accreditation, education and management of clinical labs are covered.

## PHLEBOTOMY

Two weeks, including clinical training. Train to obtain specimens through venous and capillary puncture.



# MISSION STATEMENT

The mission of the St. Elizabeth Healthcare School of Medical Laboratory Science is to provide quality education in the subjects related to Medical Laboratory Science and to equip students with the clinical experiences to aid in the knowledge and technical skills necessary for a profession in laboratory medicine.

**Traci Kraus, MA (Ed), MT (ASCP)**  
Program Director

1 Medical Village Drive  
Edgewood, KY 41017

(859) 301-9489

[traci.kraus@stelizabeth.com](mailto:traci.kraus@stelizabeth.com)