



ST. VINCENT'S
MEDICAL CENTER

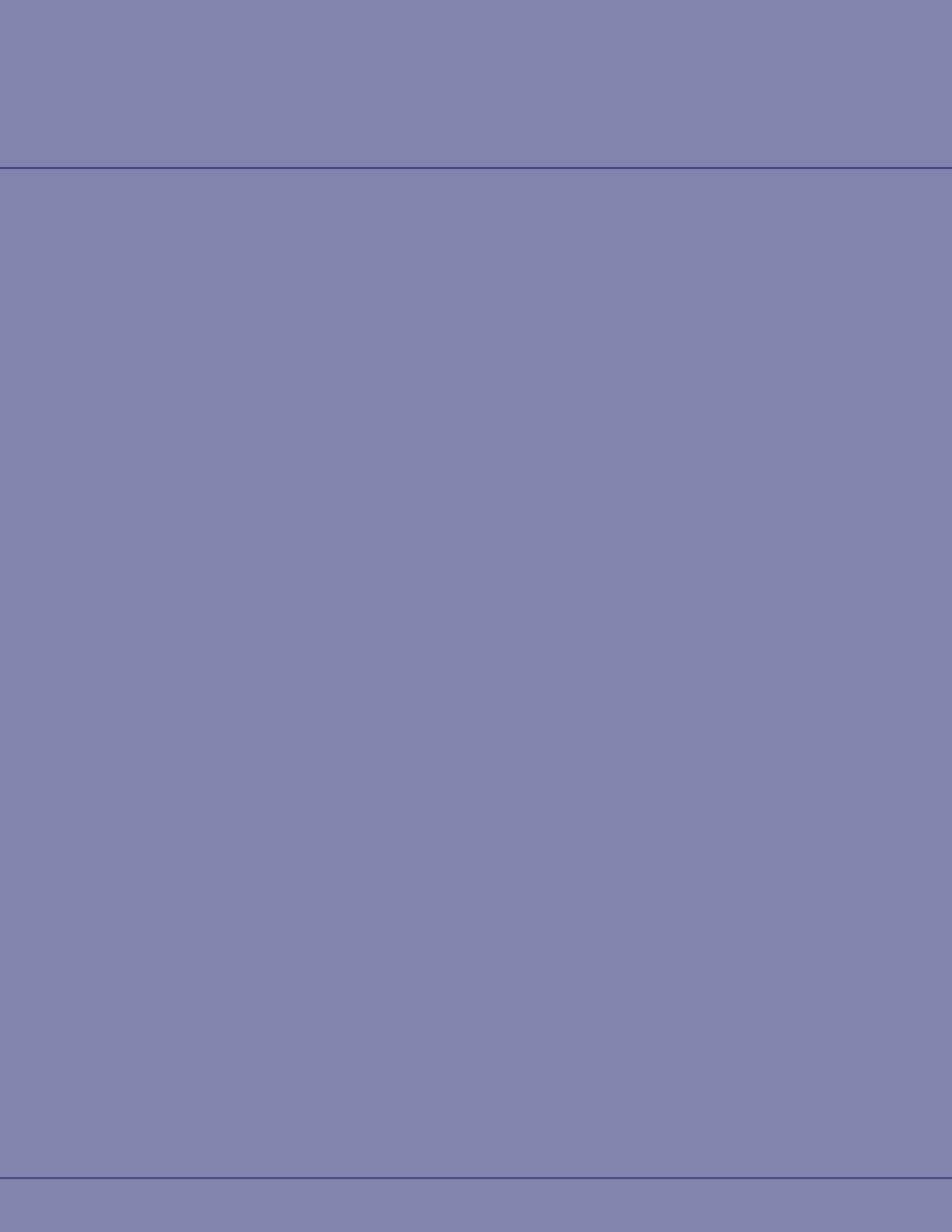
St. Vincent's HealthCare

St. Vincent's

Schools of
Medical
Science

Medical Technology





St. Vincent's Schools of Medical Science

Throughout Northeast Florida and Southern Georgia, St. Vincent's HealthCare is well known for providing excellence in patient care. Combining leading-edge technology, high standards and more than 90 years of experience, St. Vincent's offers care and expertise that is unsurpassed in the region. Now, in addition to patient care, the clinical experts at St. Vincent's extend their knowledge and expertise to provide career-training opportunities in the areas of:

- * Medical Technology
- * Radiologic Technology
- * Diagnostic Medical Sonography
- * Radiation Therapy
- * Nuclear Medicine
- * Computed Tomography

Each school provides the most comprehensive education and clinical experience available to prepare students for certification and success on the appropriate national registry examination.

St. Vincent's is a 528-bed, state-of-the-art medical center located on the beautiful St. John's River in Jacksonville, Florida, just minutes away from the Atlantic Ocean. Established in 1916 by the Daughters of Charity, St. Vincent's HealthCare is now a member of Ascension Health, the largest Catholic health system in the United States. Each year, St. Vincent's performs more than four million laboratory tests and provides care for more than 23,000 inpatients, 40,000 surgical outpatients and more than 65,000 people in the emergency room.

THE PROFESSION

Medical Laboratory Scientists are professionals who work with pathologists and other members of the healthcare team to diagnose and treat disease by performing and interpreting complex laboratory procedures. Medical Technology is a challenging and continually changing field that offers opportunities for advancement within the clinical laboratory and growth into areas such as administration, research, business, education and computer technology.

THE MEDICAL TECHNOLOGY PROGRAM

The Medical Technology Program at St. Vincent's lasts 50 weeks with two classes starting each year in January and July. Each class has a maximum capacity of five students.

Students spend 40 hours per week in the clinical laboratory and are assigned to all areas of the lab during their course of study. Through clinical rotation courses and lecture courses, students receive training in both the theoretical and practical aspects of Clinical Chemistry, Microbiology, Hematology, Clinical Microscopy, Immunology and Immunochemistry (blood banking). Students perform actual laboratory tests using advanced instrumentation and techniques under the supervision of instructors licensed as medical technologists. Our distinguished faculty of pathologists and clinical laboratory scientists, holding advanced degrees, teaches lecture courses.

ADMISSION REQUIREMENTS

To be eligible for admission into the program, a student must have met one of the following criteria:

- Completion of all college/university requirements for graduation with a baccalaureate degree in Medical Technology, except for the credit conferred by the college/university for time spent in a Medical Technology Program. Included in the college/university course work must be:
 - 16 credit hours of Chemistry (including Biochemistry or Organic Chemistry) and
 - 16 credit hours of Biology (including Microbiology with Lab and Immunology).
- Completion of a baccalaureate degree in Chemistry, Biology, Physics or Health Sciences that included the course requirements listed above.

The following courses are also strongly recommended:

- Genetics, Molecular Biology, Statistics, Anatomy and Physiology

REQUIREMENTS FOR GRADUATION

To graduate from the program, a student is required to meet the entry-level competencies in each department of the clinical laboratory, complete all educational objectives,^[2] and maintain a minimum grade of C in all subject areas. Upon graduation, a student^[2] is qualified to sit for the American Society of Clinical Pathologists Board of Certification examination for registration as a Medical Laboratory Scientist. The student is also eligible for licensure as a Medical Technologist in the State of Florida.^[2]

FINANCES^[2]

St. Vincent's Medical Center does not charge tuition for the program. Students are responsible for^[2] their own State of Florida Trainee License, health insurance, liability insurance, certification examination fee, as well as their personal living expenses. Most textbooks are provided by the program, but students may be required to purchase some books. Limited space may be available in on-campus housing. Students enrolled in the program are eligible for financial aid in the form of loans or scholarships. No student fees or expenses are made payable to St. Vincent's Medical Center, nor are they reimbursable by St. Vincent's Medical Center.

STATEMENT OF HEALTH

Prospective students are required to be in good health at the time of enrollment. A statement from the applicant's physician regarding the applicant's health status must be submitted prior to enrollment. Once accepted into the program, a student must undergo health screening through St. Vincent's HealthCare Employee Health Department.

COURSE DESCRIPTIONS: CLINICAL ROTATIONS

Hematology I

This course provides the new student with an orientation to the laboratory and an introduction to laboratory safety, phlebotomy and specimen processing. Basic hematological principles and manual procedures are taught in the student laboratory.

Hematology II Study of Anemias

This portion of the HEM II clinical rotation will provide training in the operation, preventive maintenance and quality control of automated hematology instrumentation and routine hematology procedures. An emphasis will be placed on the principles and procedures used to diagnose and differentiate the anemias, as well as in developing proficiency in the evaluation of peripheral blood smears.

Study of Coagulation

Upon completion of this area of study, the student will understand the theories of coagulation, accurately perform automated and manual techniques used in the study of coagulation and be able to correlate laboratory results with the evaluation of coagulation disorders.

Hematology III

This clinical rotation reinforces the skills learned in HEM I and HEM II and provides training in specialized hematological stains and procedures used in the diagnosis and differentiation of leukemias and other white blood cell disorders. An enrichment program in Flow Cytometry is also included in this course of study.

Routine Chemistry

Students will become competent in the operation, preventive maintenance and quality control of sophisticated chemistry analyzers. Study will include the theories and principles that govern the operation of these automated chemistry analyzers including spectrophotometry, osmometry, ion selective electrodes, atomic absorption and blood gas analysis. Other topics will include enzymology and its use in the evaluation of cardiac, hepatic, pancreatic and prostate function, as well as renal function tests, electrolyte balance and glucose monitoring. The evaluation of routine chemistry data and the correlation of this data to the diagnosis of disease will be emphasized.

Electrophoresis

During this clinical rotation, students will become competent in the performance and interpretation of various electrophoretic techniques and the application of mathematical calculations in the clinical chemistry laboratory.

Special Chemistry

This course will teach students the principles and practice of chemical immunoassays, ion capture, chemiluminescence, radioimmunoassay, mass spectrometry, gas chromatography and thin-layer chromatography. Therapeutic drug monitoring, thyroid testing, hepatitis testing and testing for drugs of abuse will be highlighted.

Clinical Microscopy

Students will learn the principles of the microscope, demonstrate an understanding of the fundamental processes involved in the formation of urine and demonstrate knowledge of the principles and procedures used in the evaluation of renal function. They will also be able to perform routine examinations on urine, cerebrospinal fluid, seminal fluid and synovial fluid.

Microbiology I and II

Upon completion of these two clinical rotations students will be proficient in processing patient samples, evaluating culture findings, identifying bacteria, fungi, and acid fast organisms, performing and interpreting antibiotic susceptibility tests, and carrying out quality control testing on media, reagents and equipment. Students also will gain the skills necessary to perform cell culture techniques, direct fluorescent antibody tests and EIA procedures to diagnose viral infections.

Blood Bank

During the clinical rotation through the Transfusion Service, students receive training in ABO and Rh testing, antibody identification, compatibility testing and other specialized immunohematological procedures. Enrichment programs at the Florida-Georgia Blood Alliance and the Jacksonville Transplant Center supplement training received at St. Vincent's.

Serology

Completion of this course allows students to demonstrate knowledge of the principles of immunology and of serological methods by performing and evaluating routine serological examinations including fluorescent microscopy techniques, enzyme immunosorbent assays, immunodiffusion methods and syphilis serology.

Mycology and Parasitology

Instruction will take place in the student laboratory setting and will concentrate on classifying fungi and the macroscopic and microscopic morphological characteristics used in their identification. Parasitology will emphasize the classification and identification of intestinal, blood and tissue parasites of man, and the performance and evaluation of ova and parasite testing.

ACCREDITING AGENCY

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 N. River Road, Suite 720
Rosemont, IL 60018-5119
Phone (773)714-8880, Fax (773)714-8886
www.naacls.org

THE APPLICATION PROCESS

The School of Medical Technology selects students without regard to race, religion, creed, national origin, sex or age. In order to apply to the program, a student must:

- Complete an application form.
- Submit three letters of reference (at least two from science professors).
- Submit an official copy of college/university transcripts.
- An in person-interview is required, and scheduled after evaluation of initial application materials.

Applications, references and transcripts must be mailed directly to:

Program Director, School of Medical Technology
St. Vincent's Medical Center
1 Shircliff Way, Jacksonville, FL 32204
Phone: (904)308-3817 Fax: (904)308-2970

For more information, please visit www.jaxhealth.com/schoolmt or call (904) 308-3817.

St. Vincent's
Schools of
Medical
Science

Medical Technology



ST. VINCENT'S
MEDICAL CENTER
St. Vincent's HealthCare

St. Vincent's Medical Center
School of Medical Technology
1 Shircliff Way
Jacksonville, FL 32204
Phone: (904) 308-3827 Fax: (904) 308-2970
www.jaxhealth.com/schoolmt