

National Certification

Students complete three steps to become a nationally certified Medical Technologist:

(1) earn a baccalaureate degree from an accredited university and completing the required courses; (2) graduate from an internship at a NAACLS* - accredited Medical Technology program; and (3) pass the national examination for Medical Technology such as the Board of Registry (www.ascp.org). Passing the national exam earns successful candidates the designation MT (ASCP**).

The 3 + 1 Plan

Internship must be completed at Baptist Medical Center South. Students accomplish steps 1 and 2 at the same time. In addition, Baptist Medical Center South School of Medical Technology helps students review for the national exam and apply for it.

The 4 + 1 Plan

Students earn the TROY baccalaureate degree first and then complete their internships at any NAACLS-accredited medical technology program in the country. Students then take the national exam. Check the NAACLS website (www.naacls.org) for details about available Medical Technology programs.

*National Accrediting Agency for Clinical Laboratory Sciences

**American Society for Clinical Pathology

Career Opportunities

There is currently a high demand for certified Medical Technologists across the country.

Medical Technology graduates typically work in clinical hospital laboratories, privately owned laboratories, such as those in physicians' offices and clinics, regional reference laboratories, public health laboratories, research centers, and biotechnology and pharmaceutical industries.

Graduates also work as sales or technical representatives with companies that manufacture and distribute laboratory equipment and supplies.

Because of their strong academic backgrounds, some graduates continue their medical technology education by earning a Clinical Doctorate in Clinical Laboratory Science. Others pursue degrees in medical, dental, other health professions, or graduate school.

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Medical Technology Concentration



Troy University



**Department
of
Biological and
Environmental Sciences**

Medical Technology

Medical technologists collect and analyze biological samples from patients to assist physicians in the diagnosis and treatment of diseases. The Medical Technology Concentration at TROY prepares students for careers in Medical Technology, a clinical laboratory science.

Degree Requirements

To qualify for the Clinical Internship, Medical Technology students are required to take the Biology Program core courses as well as Human Anatomy & Physiology I and II, Hematology, Immunology, and Parasitology. Students who successfully complete their Internships are eligible to take national certification examination.

The 3 + 1 Plan

Students take an intensive three-year schedule of courses at TROY that includes one summer of classes. Then they complete their Clinical Internship in their fourth year at Baptist Medical Center South School of Medical Technology in Montgomery, AL after which they graduate both from the Medical Technology School and TROY.

The 4 + 1 Plan

Students complete their undergraduate biology degree at Troy. They then can apply to any Medical Technology School for their internship year.



Program of Study, (3+1 Plan)

Freshman year

Fall

Principles of Bio. & lab
Chemistry I & lab
Composition I
General Studies
University Orientation

Spring

Organismal Bio. & lab
Chemistry II & lab
Composition II
Calculus I

Sophomore Year

Fall

Human Anatomy I & lab
Organic Chem. I & lab
General Studies
General Ecology & lab

Spring

Human Anatomy II & lab
Organic Chem. II & lab
General Studies
General Studies

Summer

Microbiology & lab
General Studies

Junior Year

Fall

Applied Statistics
Genetics & lab
General Studies

Spring

Hematology & lab
Immunology & lab
Parasitology & lab
General Studies

Senior Year/Clinical Internship

Clinical Urinalysis & lab
Clinical Microbiology & lab
Clinical Parasitology & lab
Clinical Hematology & lab
Immunohematology & lab
Clinical Serology & lab
Clinical Chemistry & lab

Clinical Internship

Clinical Internships consist of one year of study at an accredited School of Medical Technology. The Clinical Internships are competitive. Participating Schools of Medical Technology award Clinical Internships to applicants.

The 3 + 1 Plan

Students register for their Internship courses through TROY while completing their Clinical Internship at the Baptist Medical Center South School of Medical Technology.

www.baptistfirst.org/educationopportunities.htm

The Clinical Internship consists of 33 credit hours of courses and laboratories in Clinical Chemistry, Clinical Hematology, Immunohematology, Clinical Microbiology, Clinical Parasitology, Clinical Serology, and Clinical Urinalysis.

The 4 + 1 Plan

Students who have earned their baccalaureate in biology and completed the required courses are eligible to apply for Clinical Internships at any School of Medical Technology in the country. Because they have already graduated, students in the 4 + 1 plan do not register for their clinical courses at TROY during their internship year.

Harrel McKinney Medical Technology Scholarship

The Harrel McKinney Medical Technology scholarship is available to 3+1 and 4+1 medical technology concentration students. Preference will be given to those students on the 3+1 plan. The minimum qualifications are: 1) enrollment (current and at time of award) in Troy University and 2) a minimum GPA of 2.5 on a 4.0 scale. The McKinney scholarship is only awarded to students who are not receiving other TROY Foundation Scholarships. The number and amount of awards offered each year varies.