

Medical Technology

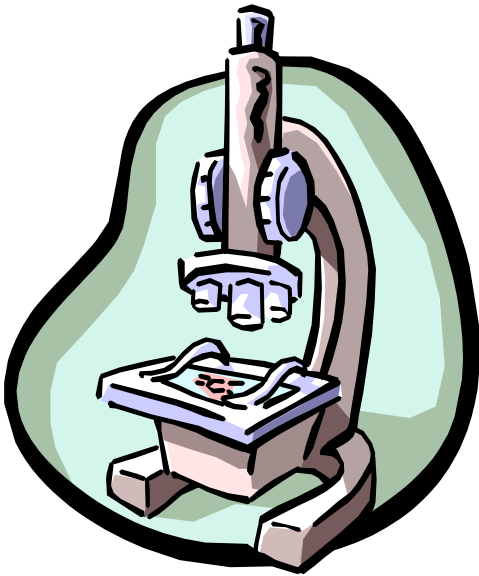
Medical Technology is a vital part of a field of laboratory medicine. The medical technologist performs hundreds of laboratory tests to find the cause and cure for disease. These tests include the analysis of blood, body fluids, cells, tissues, and also the isolation and identification of microorganisms which cause disease. In addition, the medical technologist performs tests that assess risk factors for disease and determine the overall health status. The medical technologist must be knowledgeable in basic sciences and skilled at using sophisticated laboratory instruments. The medical technologist is an important member of the healthcare team, and must be able to work independently in performing medical diagnostic tests.

Academic Program

The medical technology curriculum leading to the Bachelor of Science degree from Mississippi State University includes three years of study at Mississippi State University and one year of study in a School of Medical Technology accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Admission to the hospital school is competitive. A student who has satisfactorily completed the three years on the campus and has gained admission to a hospital school will register for the hospital phase and will be considered to be enrolled at Mississippi State during the final year of study. Graduates are prepared for certification by several national organizations.

Employment Opportunities

The primary area for employment is the hospital laboratory. Positions also are available in research, administration, education, industry, physicians' offices, veterinary medicine, clinical pathology, public health, forensics, and other settings. Currently there are job openings throughout the United States because of a shortage of medical technologists. There also are international opportunities for medical technologists.



On top of the College of Arts and Sciences [General Requirements](#), student must also complete the following:

Major Core – Classes required for Medical Technology Degree

BCH 4013 Principles of Biochemistry
BIO 1134 Biology I
BIO 2014 Human Physiology
BIO 3013 Writing for Biologists (meets Jr./Sr. Writing and Computer Literacy Requirement)
BIO 3303 Parasitology
BIO 3304 General Microbiology
BIO 4133 Human Genetics
BIO 4303 Bioinstrumentation
BIO 4405 Pathogenic Microbiology
BIO 4413 Immunology
CH 1211 Investigations of Chemistry (Lab)
CH 1213 Chemistry I (lecture)
CH 1221 Investigations of Chemistry (Lab)
CH 1223 Chemistry II (lecture)
CH 4513 Organic Chemistry
CH 4523 Organic Chemistry
CO 1003 Fundamentals of Public Speaking (meets Oral Communication Requirement)

General and Science Electives (9 hours)

Medical Technology Internship Classes

BIO 4602 Urinalysis
BIO 4606 Clinical Microbiology
BIO 4612 Special Topics
BIO 4614 Serology/Immunology
BIO 4624 Immunohematology
BIO 4626 Hematology
BIO 4636 Clinical Chemistry

Summary of Requirements

General University Requirements33 hours
Medical Technology Core Requirements61 hours
Medical Technology Internship Requirements ...30 hours

Affiliated Teaching Hospitals for Student Internships:

[North Mississippi Medical Center](#) ,Tupelo, MS

[Baptist Hospital](#) ,Jackson, MS

[Vanderbilt Medical School](#) ,Nashville, TN

[Baptist Hospital](#) , Little Rock, AR