

Medical Sciences Programs

Associate of Applied Science Degree

- Medical Laboratory Technician (MLT)

Certificate

- Phlebotomy Micro - Certificate

Mission and Purpose of Marion Technical College:

Mission

Provide the region's most accessible, supportive, and personal pathway to career success.

Vision

A highly-educated workforce elevates quality of life and contributes to a thriving community.

Mission of Medical Sciences

To provide health students with a personal and professional learning centered education.

Goals of the Medical Science Programs:

- Students will demonstrate the technical skill of an entry-level MLT/PBT.
- Students will communicate effectively and perform in an ethical and professional manner.
- Students will demonstrate critical thinking and problem-solving skills.
- Students will pass certification exams as a first-time applicant at an 80% pass rate.
- Students will find employment in their field at an 80% employment rate post graduation of those seeking employment.
- The Medical Science programs will successfully maintain accreditation and a continual program review process.
- Program curriculum will maintain currency and adjust to changes in technology and industry standards.
- Program will maintain qualified faculty that pursue life-long learning.

Medical Laboratory Technology Student Learning Outcomes:

- Collect, process, and analyze biological specimens or other substances.
- Perform routine clinical laboratory tests in clinical chemistry, hematology/hemostasis, immunology, immunohematology, microbiology, body fluid analysis, laboratory operations, and performance of assays.
- Perform pre-analytical, analytical, and post-analytical processes.
- Perform mathematical calculations related to all areas of the clinical laboratory.
- Perform problem solving/troubleshooting techniques for laboratory methodologies.
- Correlate laboratory test results with patient diagnosis and treatment and determine the significance of clinical procedures and results.
- Perform quality assessment within the clinical laboratory; recognize factors which interfere with analytical tests and take appropriate actions.
- Demonstrate the technical training sufficient to orient new employees within the clinical laboratory.
- Demonstrate professional, interpersonal, oral, and written communications skills sufficient to serve the needs of patients and the public including an awareness of how diversity may affect the communication process.

- Apply basic scientific principles in learning new techniques and procedures; demonstrate application of principles and methodologies.
- Utilize computer technology applications to interact with computerized instruments and laboratory information systems.
- Demonstrate proficient knowledge of computer software as it applies to document production, spreadsheets, and presentations.
- Demonstrate knowledge of infection control and safety practices and follow established guidelines and governmental/accreditation regulations.
- Demonstrate professional conduct and apply legal, social, and ethical responsibilities within the health care environment.
- Pursue certification and continued professional development.