

# Medical Laboratory Technology

## Associate in Applied Science Degree

Program MED.LAB.B.AAS  
CIP 511004



The Medical Laboratory Technology program prepares students for careers as medical laboratory technicians. Accredited by the National Accrediting Agency for Clinical Laboratory Sciences ([www.naacls.org](http://www.naacls.org)), the program combines courses in general education and medical laboratory science with a clinical practice conducted at an approved area healthcare facility.

Medical laboratory technology is a field of professional study involving students in the exciting and challenging world of science and medicine. Laboratory professionals perform diagnostic laboratory tests on medical specimens which provide information used to diagnose health and disease.

A graduate of the program is eligible for certification by successfully completing the examination given by the American Society for Clinical Pathologists. Graduates are eligible for immediate employment in hospital labs, physician offices, public health labs, as well as pharmaceutical and research companies.

### PROGRAM OUTCOMES

- Integrate knowledge learned and experienced in the disciplines of general education, mathematics, science, and medical laboratory science;
- Achieve entry-level career competencies of a medical laboratory technician by testing biological samples using current technology to generate accurate, quality-assured laboratory results used for health and disease evaluation;
- Demonstrate academic and technical competence in the professional courses of the curriculum through college and applied clinical education experiences;
- Take the national ASCP certification exam.

Admission to the Medical Laboratory Technology program requires a high school diploma or GED, physical examination, immunizations, and a criminal background check.

At the completion of general education, mathematics and science courses, students petition for acceptance into the professional phase of the program which begins with MLT 112. Admission into this phase requires a minimum cumulative GPA of 2.5.

### Curriculum

Code	Course (lecture/lab/clinical hours)	Credits
<b>PRE-PROFESSIONAL PHASE</b>		
ENG 101	English Composition I (3/0)	3
ENG 112	English Composition II with Speech (3/0) <sup>1</sup>	3
BIO 103	Anatomy and Physiology I (3/3) <sup>2</sup>	4
BIO 104	Anatomy and Physiology II (3/3) <sup>2</sup>	4
BIO 201	Microbiology (3/3)	4
CHE 101	General Chemistry I OR	4
CHE 107	General and Physiological Chemistry (3/2)	4
HPE 110	Concepts of Health and Fitness (1/2)†	2
MAT —	Mathematics elective (4/0) <sup>3</sup>	4
— —	Social Science general education elective (3/0)	3
— —	General Education elective (3/0) <sup>4</sup>	3
<b>PROFESSIONAL PHASE</b>		
MLT 112	Introduction to Medical Laboratory Technology (2/3)	3
MLT 200	Clinical Chemistry (3/2)	4
MLT 207	Clinical Immunohematology (3/3)	4
MLT 212	Clinical Hematology (3/3)	4
MLT 214	Clinical Microbiology (5/3)	6
MLT 215	Clinical Practice (560 hours) <sup>5</sup>	10
		<hr/> 65

<sup>1</sup> ENG 102 is an acceptable alternative when combined with CMN 111.

<sup>2</sup> BIO 101-102 may be substituted for BIO 103-104.

<sup>3</sup> Select from MAT 135, 140, 146, 200.

<sup>4</sup> Select course from the following general education categories: Social Science, Humanities, Historical Perspective, Diversity and Global Perspective, Technology.

<sup>5</sup> MLT 215 is an 18-week course.

†HPE 111 is an acceptable alternative.

NOTE: Students must earn a minimum grade of C in all BIO, CHE, MAT, and general education courses.

NOTE: All program listings are subject to periodic updates. Please consult your program advisor, academic division, or [www.mccc.edu/programs\\_degree](http://www.mccc.edu/programs_degree)