

# Medical Laboratory Technology



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## Contact

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Division of Health Education

**MERIDIAN**  
COMMUNITY COLLEGE

# Admission Requirements

Progression: To meet graduation requirements for this program, students must successfully complete the specified courses listed below with a "C" average (GPA of 2.00) or better. A grade of "C" or higher is required in each MLT course to progress in the program.

Minimum admission requirements (in addition to general admission requirements):

Attain an 18 composite score on the ACT;

Or

Score a 70 or higher on the ACCUPLACER Reading Section and a 60 or above on the Arithmetic Section;

Or

Complete 15 semester hours with a "C" average or above at an accredited college or university and meet requirements for Intermediate Algebra (MAT 1233). Developmental coursework does not satisfy this requirement;

And

Have a cumulative grade point average (CGPA) of 2.00 ("C" average) on all previous college coursework;

And

Attend an MLT Information Session. Students will receive notice from the Registrar's Office about scheduling their Information Session.

The MLT Admissions Committee will select each year's class from the pool of applicants who meet minimum admission requirements. Any application with incomplete records will not be considered for admission. The admission process is competitive, and completion of minimum requirements is not a guarantee of admission. Priority consideration for admission will be given as follows: 1) In-district students who complete program prerequisites and/or general education coursework at MCC; 2) Out-of-district students who complete program prerequisites and/or general education coursework at MCC; 3) Mississippi residents who complete program prerequisites and/or general education coursework elsewhere; 4) Out-of-state students. Check with the Health Education Advisor for selection details and deadlines.

After program admission and prior to classes beginning, students must provide proof of immunization for MMR. A Drug Screening Test will be scheduled after classes begin. A negative Mantoux Two-Step TB Skin Test is required before students can enter the clinical practicum the second January in the program.

All students admitted into the program will be required to pay for fingerprinting and background checks, which will be performed after admission and prior to clinical laboratories. These fees will be attached as registration fees. There are certain convictions that will prevent an individual from being eligible to participate in clinical experiences. If a student is unable to participate in clinical experiences, he/she will be dismissed from the program. For additional information, please contact the health education counselor or your advisor.

Students in the Medical Laboratory Technology Program must attend MCC full-time (12 or more semester credit hours).

# Course of Study

## FIRST YEAR

### First Semester

MLT 1111	Fundamentals of MLT/ Phlebotomy	1
ENG 1113	English Composition I	3
CHE 1213/CHE 1211	General Chemistry I / Lab Or	4
CHE 1113/CHE 1111	Chemistry Survey / Lab	4
BIO 2513/2511	Anatomy & Physiology I/Lab Or	4
BIO 1133/1131	General Biology I/Lab Or	4
BIO 2924	Microbiology	4
MAT 1233	Intermediate Algebra	3
MLT 1213	Urinalysis/Body Fluids	3
	<b>Semester Hours</b>	<b>18</b>

### Second Semester

SPT 1113	Public Speaking	3
MLT 1413	Immunology/Serology	3
MLT 1313	Hematology I	3
MLT 2523	Pathogenic Microbiology I	3
	<b>Semester Hours</b>	<b>12</b>

### Summer Semester

	Humanities/Fine Arts Elective	3
	Behavioral Science Elective	3
	<b>Semester Hours</b>	<b>6</b>

## SECOND YEAR

### First Semester

MLT 1324	Hematology II	4
MLT 1515	Clinical Chemistry	5
MLT 2424	Immunochemistry	4
MLT 2614	Pathogenic Microbiology	4
	<b>Total Semester Hours</b>	<b>17</b>

### Second Semester

MLT 2944	Clinical Practicum I	4
MLT 2954	Clinical Practicum II	4
MLT 2964	Clinical Practice III	4
MLT 2711	Seminar	1
	<b>Total Semester Hours</b>	<b>13</b>

### Summer Semester

MLT 2974	Clinical Practice IV	4
MLT 2722	Certification Fundamentals of MLT	2
	<b>Semester Hours</b>	<b>6</b>
	<b>Total Semester Hours</b>	<b>72</b>

## MEDICAL LABORATORY TECHNOLOGY

### CORE PERFORMANCE STANDARDS

ISSUE	STANDARD	EXAMPLE(S) of NECESSARY ACTIVITIES	TASKS
Critical Thinking	Critical thinking ability sufficient for clinical judgment.	Identify cause-effect relationships in clinical situations and take corrective actions when necessary.	Has the ability to think about certain situations and make judgments. (ex. respond to an uncooperative patient during phlebotomy)
Interpersonal	Interpersonal abilities sufficient to interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Establish rapport with patients and colleagues.	Has the ability to carry on meaningful conversation with instructor(s) during interview.
Communication	Good verbal and written communication skills with the ability to read professional materials with understanding.	Explain testing procedures, recording test results, and related comments, documenting quality assurance results.	Has the ability to communicate with others verbally during interview and is able to complete necessary paperwork/forms. Has the ability to communicate critical values with appropriate personnel.
Mobility	Physical abilities sufficient to move from room to room and maneuver in small spaces and accommodate stairwell when necessary. Must provide own personal transportation to clinical practice.	Moves around in patient rooms and work spaces, Student should also possess physical capabilities that would allow for cleaning, restocking supplies, and repair of equipment.	Has the coordination to collect blood samples while patients are in confined areas (ex. ER or ICU cubicals). Is able to lift large containers of reagents and properly place them on an instrument.
Motor skills	Gross and fine motor abilities sufficient to perform laboratory procedures safely and efficiently.	Calibrate and use equipment necessary to perform laboratory procedures, perform venipuncture, use various types of pipettes, and other safety equipment.	Has the ability to perform accurate serum dilutions prior to loading samples on instrument.
Hearing	Auditory ability sufficient to monitor and assess health needs.	Hear safety alarms, assess equipment operation through audible cues, and be alerted to intercom pages.	Has the ability to hear intercom pages and respond appropriately. Has the ability to hear instrument alarms and respond quickly and appropriately.
Visual	Visual ability sufficient for observation and assessment necessary in laboratory medicine.	Observes visual alarms when monitoring lab equipment, correctly ID patients, and performs microscopic laboratory tests.	Has the ability to perform manual counts under the microscope. (ex. manual differential or manual body fluid cell counts)
Tactile	Tactile ability sufficient for palpating a vein for phlebotomy.	Perform palpation functions of physical examination and/or those related to phlebotomy procedures.	Has the ability to feel a pulse or correctly locate a vein for venipuncture.
Punctuality	Must be on time for classes and clinical practice.	Be on time!	Be on time!