HEALTH SCIENCES
WASHINGTON STATE
COMMUNITY COLLEGE

710 COLEGATE DRIVE | MARIETTA, OH 45750 | 740.374.8716 | WWW.WSCC.EDU

MEDICAL LABORATORY TECHNOLOGY

HOW TO REACH US:

ADMISSIONS: 740.568.1900

CONTACT:
Steve Temesvary, MHA, MLS(ASCP)^{cm}
Director

PHONE: 740.885.5689

MAIL:
710 Colegate Drive
Marietta, OH 45750

EMAIL:
stemesvary@wscc.edu

CAREER OPPORTUNITIES:

- Medical centers
- Hospitals
- Private labs
- Industrial labs
- Clinics
- Public health facilities
- Research facilities

STUDENT OPPORTUNITIES:

- Upon completion, graduates are eligible to take the Board of Certification Examination given by the American Society for Clinical Pathology (ASCP), to become certified as a medical laboratory technician.
- Many graduates choose to continue their education by pursuing a bachelor's degree in medical technology or a related field.

IT'S A FACT:
Nearly 70% of Washington State students receive financial aid.

Revised 2.11.2022

THE PROGRAM:
Increased need for quality assurance in the medical laboratory has led to excellent employment opportunities for laboratory technicians.

Medical Laboratory Technicians (MLT) make an important contribution to the health care delivery system: they perform tests in the clinical or hospital lab that are necessary for diagnosis and treatment of disease. The results of that work guide the physician in treating patients. Although MLTs' work does not place them in direct contact with patients, they must maintain compassion and accept the patient's welfare as their highest priority.

The MLT program at Washington State combines the theory of the profession with practical laboratory skills. In the first year of the program the student will learn basic and intermediate lab skills in the student laboratory on campus. In the second year the student will practice those skills in clinical affiliate laboratories supervised by pathologists and medical technologists.

The Medical Laboratory Technician Program is fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

NAACLS
5600 North River Road
Suite 720
Rosemont, IL 60018-5119
PHONE: 773.714.8880

SKILLS:
As a medical laboratory technology student at Washington State, you will acquire skills in a program recognized for its outstanding quality. During your studies, you will:

- Perform microscopic and chemical testing of urine.
- Use manual and automated methods to count white and red blood cells.
- Perform blood serum tests for diseases such as mononucleosis and rheumatoid arthritis.
- Test for blood clotting to monitor medication and diagnose diseases like hemophilia.
- Grow and identify bacteria from various body sources, such as throat cultures.
- Perform chemical assays of blood serum, including blood sugars and cholesterol levels.
- Test and match donor blood with patient blood for compatibility prior to transfusions.

ADMISSION TO THE PROGRAM:
Admission to the medical laboratory technology program is limited and admission is made on a selective basis. Acceptance is first come, first serve with a max of 20 students.

1. Complete application for admission to Washington State Community College
2. Submit an official high school transcript or GED certificate, and official transcripts from any college(s) attended
3. Complete application form for the MLT program
4. Submit three (3) non-family references
5. Completion of introductory courses in algebra, biology, and chemistry with a grade "C" or higher
6. Meet with the MLT program director

HEALTH SCIENCES
WASHINGTON STATE
COMMUNITY COLLEGE

710 COLEGATE DRIVE | MARIETTA, OH 45750 | 740.374.8716 | WWW.WSCC.EDU

Medical Laboratory Technology
Student Selection Process

Step 1: Apply online and submit the following items:

1. **MLT Program Application Form**
   www.wscc.edu > Academics > Health > Scroll down to Medical Laboratory Technology > Complete Application

2. **Washington State Community College General Application online at**
   www.wscc.edu > Future Students > Apply

3. **Submit proof of High School Graduation or GED Completion**
   a. Submit an official copy of your high school transcript
   b. Submit a copy of your GED certificate of completion

   - Students still in high school are permitted to apply; however, graduation must be complete before official program acceptance

4. **Submit proof of completion of the following 3 program prerequisite courses:**
   a. Final Course Grade of "**C**" or better in **Algebra** and **Algebra II** (minimum of 1 credit)
   b. Final Course Grade of "**C**" or better in **Biology** (minimum of 1 credit)
   c. Final Course Grade of "**C**" or better in **Chemistry** (minimum of 1 credit)

   - Proof of completion may be determined by official high school and/or college transcripts
   - WSCC course equivalents are BIOL 0955/095L, & CHEM 0955/095L

5. **Submit 3 completed recommendation forms (online)**
   www.wscc.edu > Academics > Health > Scroll down to Medical Laboratory Technology > Reference Form
   - These forms **must be** completed by **NON-FAMILY** members

Step 2: Make an appointment with WSCC to take and complete ALL SECTIONS of the college placement test (transfer students from another accredited college/university are not required to take this exam)

Step 3: The Program director will send you an ***email notification*** and entry status upon receipt of the required documentation; **selection is first-come, first-served based on application date AND completion of prerequisites**

Step 4: Students are encouraged to attend a scheduled tour of a hospital lab prior to program entry; tour dates are by appointment. Please contact the Program Director to arrange a tour.

HEALTH SCIENCES
WASHINGTON STATE
COMMUNITY COLLEGE

710 COLEGATE DRIVE | MARIETTA, OH 45750 | 740.374.8716 | WWW.WSCC.EDU

Washington State Community College
Medical Laboratory Technology Program
Essential Requirements

INTRODUCTION

The Associate of Applied Science Degree in Medical Laboratory Technology requires the acquisition of general knowledge and basic skills in all areas of the laboratory profession.

POLICY

Faculty in the Medical Laboratory Technology department have a responsibility for the welfare of the patients treated or otherwise affected by students enrolled in the Medical Laboratory Technology program, as well as for the welfare of students in educational programs of the department. In order to fulfill this responsibility, the Medical Laboratory Technology department has established minimum essential requirements that must be met, with or without reasonable accommodation, in order to participate in the program and graduate. The Medical Laboratory Technology department, as a part of Washington State Community College, is committed to the principle of equal opportunity. The Medical Laboratory Technology department does not discriminate on the basis of race, color, creed, religion, national origin, gender, sexual orientation, age, marital status, disability, and disabled veteran or Vietnam era veteran status.

Essential requirements, as distinguished from academic standards, refer to those cognitive, physical, and behavioral abilities that are necessary for satisfactory completion of all aspects of the curriculum and for the development of professional attributes required by the faculty of all students at graduation. The following essential requirements have been developed in compliance with the Americans with Disabilities Act (PL101-336) and the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

The following essential functions or technical standards are intended to identify essential skills/knowledge/attitudes needed in the Medical Laboratory Technology curriculum at Washington State Community College:

1.1 Communication Skills

1.1.1 Communicate effectively in written and spoken English

1.1.2. Comprehend and respond to both formal and colloquial English

1.1.2.1. Person to person
1.1.2.2 By telephone
1.1.2.3. In writing

1.1.3. Appropriately assess nonverbal & verbal communication

1.2. Large and Small Motor Skills

1.2.1. Move freely from one location to another in physical settings such as the clinical laboratory, patient care areas, corridors, and elevators

1.2.2. Possess sufficient eye-motor coordination to allow delicate manipulations of specimens, instruments, and tools

1.2.3. Grasp and release small objects (e.g., test tubes, pipette tips, microscope slides and cover slips); twist and turn dials/knobs (e.g., on microscopes, balances, centrifuges, spectrophotometers)

1.2.4. Manipulate other laboratory materials (e.g., reagents, manual and automated pipettes)

1.3. Other Physical Requirements

1.3.1. Visual acuity

1.3.1.1. Identify and distinguish objects macroscopically and microscopically

1.3.1.2. Read charts, graphs, and instrument scales/readout devices

1.3.2. Lift and move objects of at least 20 pounds

1.3.3. Possess a sense of touch and temperature discrimination

1.4. Professional and Application Skills

1.4.1. Follow written and verbal directions

1.4.2. Possess and apply mathematical skills

1.4.3. Work under time constraints

1.4.4. Prioritize requests and work concurrently on at least two different tasks

1.4.5. Maintain alertness and concentration during a normal work period

1.4.6. Apply knowledge, skills, and values learned from course work and life experiences to new situations.

1.4.7. Work safely with potential chemical, radiologic, and biologic hazards using universal precautions

1.5. Valuing Skills

1.5.1. Show respect for self and others

1.5.2. Project an image of professionalism including appearance, dress, and confidence

1.6. Stability

1.6.1. Possess the psychological health required for full utilization of abilities

1.6.2. Recognize emergency situations and take appropriate actions

Technical standards identify the requirements for admission, retention, and graduation of applicants and students respectively. Graduates are expected to be qualified to enter the field of Medical Laboratory Technology. It is therefore the responsibility of the student with disabilities to request those accommodations that he/she feels are reasonable. To inquire about the process for requesting accommodations, please contact: Center for Student Success at 740-374-8716 Ext. 2503.

WASHINGTON STATE COMMUNITY COLLEGE
Be Inspired. #BeWSCC
710 COLEGATE DRIVE | MARIETTA, OH 45750 | 740.374.8716 | WWW.WSCC.EDU

Medical Laboratory Technology

Estimated Costs for 2024-2026

In-state Tuition: $170.00 Out-of-state Tuition: $171.00

Fall Semester 2024

Credit Hours:	15
Tuition:	$2,550.00
Books:	$1,191.00
IPad, IPencil, Keyboard	$1,300.00
Lab Coat/Face Shield/Goggles:	$66.00
(three sets of disposable coats/shields - BIOL, CHEM, MLT)*	
Lab Fees:	$500.00
Total Cost Estimate:	**$5,607.00**

Spring Semester 2025

Credit Hours:	15
Tuition:	$2,550.00
Books:	$1,200.00
Lab Coat/Face Shield:	$44.00
(two sets of disposable coats/shields – BIOL, CHEM)	
Lab Fees:	$380.00
Total Cost Estimate:	**$4,174.00**

Summer Semester 2025

Credit Hours:	12
Tuition:	$2,040.00
Books:	$391.00
Lab Fees:	$280.00
Total Cost Estimate:	**$2,711.00**

Fall Semester 2025

Credit Hours:	13
Tuition:	$2,210.00
Books:	$610.00
Lab Fees:	$360.00
Total Cost Estimate:	**$3,180.00**

Spring Semester 2026

Credit Hours:	10
Tuition:	$1,700.00
Books:	$222.00
Clinical:	$75.00
Uniforms/Shoes	$300.00
MLT Registry Exam	$215.00
Total Cost Estimate:	**$2,512.00**

Total (In-State): **$18,184.00**

**** Some classes other than MLT classes may offer or allow utilization of e-books***

Again, this information is only an ***estimate of the approximate cost*** for ***five semesters*** and is based on current costs and fees. The estimate does not include a mileage estimate as it is impossible to predict spring clinical rotation assignments at this time.

Prior to entry into the program, a physical exam, lab work, CPR certification, and proof of immunizations are required. Fees for these services vary greatly and it is difficult to estimate, however, the cost should be under **$300.00**. A criminal background check is required; it is available through Marietta Memorial Hospital at a cost of **$40.00**.

All financial aid inquiries may be directed to the Director of Financial Aid.

Revised 8.16.2023

MEDICAL LABORATORY TECHNOLOGY
Associate of Applied Science Degree for Direct Employment

REV. 11.8.2023

STUDENT: _____
PHONE #: _____ DATE ENROLLED: _____

*Academic prerequisites completed:	TAKEN	GRADE
1. High School Algebra or Equivalent		
2. High School Chemistry or Equivalent		
3. High School Biology or Equivalent		

GENERAL EDUCATION COURSES			CREDITS	SEMESTER TAKEN	GRADE
English Composition (3 Credits)					
ENGL	1510	English Composition I	3		
Social and Behavioral Sciences (3 Credits)					
------	----	Elective	3		
Arts and Humanities (3 Credits)					
HUMN	1200	Intro to Film	3		
Speech(3 Credits)					
SPCH	1510	Speech	3/**OR**		
SPCH	2060	Interpersonal Communication	3		
Mathematics (4 Credits)					
MATH	2110	Principles of Statistics	4		
Natural Sciences (16 Credits – 8 BIOL/8 CHEM))					
BIOL	1100	General Biology I*	3		
BIOL	110L	General Biology I Lab	1/**OR**		
BIOL	112L	General Biology for MLT I Lab	1		
BIOL	2310	Human Anatomy & Physiology I*	3		
BIOL	231L	Human Anatomy & Physiology I Lab*	1		
BIOL	1110	General Biology II*	3		
BIOL	111L	General Biology II Lab	1/**OR**		
BIOL	113L	General Biology for MLT II Lab	1		
BIOL	2320	Human Anatomy & Physiology II*	3		
BIOL	232L	Human Anatomy & Physiology II Lab*	1		
CHEM	1510	Fundamentals of Chemistry I	3		
CHEM	151L	Fundamentals of Chemistry I Lab	1/**OR**		
CHEM	153L	Chemistry for MLT I Lab	1		
CHEM	1520	Fundamentals of Chemistry II	3		
CHEM	152L	Fundamentals of Chemistry II Lab	1/**OR**		
CHEM	154L	Chemistry for MLT II Lab	1		
MEDICAL LABORATORY TECHNOLOGY MAJOR (33 Credits)					
MMLT	1010	MLT Orientation	2		
MMLT	1210	Urinalysis & Body Fluid Analysis	2		
MMLT	1310	Hematology I	3		
MMLT	1320	Hematology II	2		
MMLT	1410	Immunology & Serology	3		
MMLT	1420	Immunohematology	3		
MMLT	1510	Diagnostic Microbiology	5		
MMLT	1610	Clinical Chemistry	4		
MMLT	2210	Instrumentation & Laboratory Skills	2		
MMLT	2310	MLT Seminar	1		
MMLT	2410	MLT Directed Practice	6		
		Total	**65**		

* Students may take either the BIOL 1100/1110 series with labs **OR** BIOL 2310/2320 series with labs.
A grade of "C" or above is required in all courses.

SUBJECT TO CHANGE WITHOUT NOTICE

MEDICAL LABORATORY TECHNOLOGY

SEMESTER I

BIOL	1100/	GENERAL BIOLOGY I (3) 3-0 *
BIOL	110L	GENERAL BIOLOGY I LAB (1) 0-3 **OR/**
BIOL	112L	GENERAL BIOLOGY for MLT I LAB (1) 0-3 *(Online students only)*
BIOL	2310	HUMAN ANATOMY & PHYSIOLOGY I (3) 3-0*
BIOL	231L	HUMAN ANATOMY & PHYSIOLOGY I LAB (1) 0-3*
CHEM	1510	FUNDAMENTALS OF CHEMISTRY I (3) 3-0
CHEM	151L	FUNDAMENTALS OF CHEMISTRY I LAB (1) 0-3 **OR/**
CHEM	153L	CHEMISTRY FOR MLT I LAB (1) 0-3 *(Online students only)*
MMLT	1010	MLT ORIENTATION (2) 1-3
MMLT	1210	URINALYSIS & BODY FLUID ANALYSIS (2) 1-3
MMLT	1310	HEMATOLOGY I (3) 2-3

SEMESTER II

BIOL	1110/	GENERAL BIOLOGY II (3) 3-0 *
BIOL	111L	GENERAL BIOLOGY II LAB (1) 0-3 **OR/**
BIOL	113L	GENERAL BIOLOGY for MLT II LAB (1) 0-3 *(Online students only)*
BIOL	2320	HUMAN ANATOMY & PHYSIOLOGY II (3) 3-0*
BIOL	232L	HUMAN ANATOMY & PHYSIOLOGY II LAB (1) 0-3*
CHEM	1520	FUNDAMENTALS OF CHEMISTRY II (3) 3-0
CHEM	152L	FUNDAMENTALS OF CHEMISTRY II LAB (1) 0-3 **OR/**
CHEM	154L	CHEMISTRY FOR MLT II LAB (1) 0-3 *(Online students only)*
MMLT	1320	HEMATOLOGY II (2) 1-3
MMLT	1510	DIAGNOSTIC MICROBIOLOGY (5) 3-4

24/25

SEMESTER III

ENGL	1510	ENGLISH COMPOSITION I (3) 2-2
MMLT	1410	IMMUNOLOGY AND SEROLOGY (3) 2-2
MMLT	1420	IMMUNOHEMATOLOGY (3) 2-3
------	------	SOCIAL/BEHAVIORAL ELECTIVE (3) 3-0

SEMESTER IV

HUMN	1200	INTRO TO FILM (3) 3-0
MATH	2110	PRINCIPLES OF STATISTICS (4) 4-0
MMLT	1610	CLINICAL CHEMISTRY (4) 3-2
MMLT	2210	INSTRUMENTATION & LAB SKILLS (2) 0-7

SEMESTER V

MMLT	2310	MLT SEMINAR (1) 1-0
MMLT	2410	MLT DIRECTED PRACTICE (6) 1-32
SPCH	1510/	SPEECH (3) 3-0 **OR/**
SPCH	2060	INTERPERSONAL COMMUNICATION (3) 3-0

25/26

Evening courses may be required to complete this program.

*Students may take either the BIOL 1100/1110 series with labs **OR** BIOL 2310/2320 series with labs