



## HOW TO REACH US:

### ADMISSIONS:

740.568.1900

### CONTACT:

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Director of MLT Program  
[stemesvary@wscc.edu](mailto:stemesvary@wscc.edu)  
740.885.5689

### MAIL:

710 Colegate Drive  
Marietta, OH 45750

### ONLINE:

[www.wSCO.edu/mlt](http://www.wSCO.edu/mlt)

### 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 College of Ohio students receive financial aid.

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# MEDICAL LABORATORY TECHNOLOGY

## THE PROGRAM:

The 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 healthcare 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 College of Ohio 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

## MLT Mission Statement:

The Medical Laboratory Technology Program at Washington State College of Ohio is committed to providing dynamic, affordable, and high-quality education that prepares students to become competent and skilled professionals in the field of medical laboratory technology. Through a student-centered approach, we equip graduates with the knowledge, technical expertise, and ethical foundation needed to meet the evolving workforce demands of our community and healthcare industry.

## Service Work Policy

Students participating in clinical practicum are there for educational purposes and should not be used as substitutes for paid employees. Students may not perform laboratory testing or other duties outside of their defined educational scope.

## SKILLS:

As a medical laboratory technology student at Washington State College of Ohio, 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-served, with a max of 20 students.

1. Complete application for admission to **Washington State College of Ohio**.
2. Submit an official high school transcript or GED certificate, and official transcripts from any college(s) attended
3. Complete the application form for the **MLT program**. **An incomplete application will not be considered for admission.** The student is eligible for consideration with a complete application for the next fall entry.
4. Submit three (3) non-family references
5. Completion of introductory courses in algebra, biology, and chemistry with a grade of "C" or higher
6. **(ONLINE STUDENTS)**—Students are required to have a Medical Laboratory Mentor as part of the selection process for the online program. WSCO has established a 70-mile radius as a guide in determining eligibility.
7. Meet with the MLT program director

## Clinical Placement

Assignments to clinical sites are coordinated by the program, considering factors such as site availability and student learning needs. **Face-to-face** students will be assigned to a clinical affiliate within a 60-mile radius of the school. **Online** students will complete their clinical rotations at the sites that have agreed to participate in their clinical mentoring during the didactic portion of the program. If site placement is limited according to the class size, placement will be determined based on MLT student GPA. Those students who have no site will be waitlisted until the following year.

## WSCO MLT Program Clinical Affiliates:

The College is the controlling agency for the program; therefore, students are expected to adhere to the policies of Washington State College of Ohio while in attendance at clinical observations or rotations.

- Davis Medical Center, Elkins, WV
- Genesis Hospital, Zanesville, OH
- Mary Rutan Hospital, Bellefontaine, OH
- Holzer Medical Center, Gallipolis, OH
- Kaiser Permanente Washington Bellevue Laboratory (Lab Corp), Bellevue, WA
- Memorial Health System - Marietta Memorial Hospital, Marietta, OH
- Memorial Health System - Selby General Hospital, Marietta, OH
- Minnie Hamilton Health System, Grantsville, WV
- Providence Centralia, Providence, WA
- Rivers Health, Point Pleasant, WV
- Sun City Hospital, Inc. d/b/a HCA Florida South Shore Hospital, Sun City Center, FL
- Wheeling Hospital, Inc., Wheeling, WV
- WVU Medicine - Barnesville Hospital, Barnesville, Ohio
- WVU Medicine – Camden Clark Medical Center, Parkersburg, WV
- WVU Medicine – Jackson General Hospital, Ripley, WV
- WVU Medicine – Wetzel County Hospital, New Martinsville, WV



## Medical Laboratory Technology Student Selection Process

**Step 1: Apply online and submit the following items:**

1. **MLT Program Application Form**  
[www.wSCO.edu](http://www.wSCO.edu) > Academics > Health > Scroll down to Medical Laboratory Technology > Complete Application
  - An **incomplete application** will **not** be considered for admission. The student is eligible for consideration with a complete application for the next fall entry.
2. **Washington State College of Ohio General Application online at [www.wSCO.edu](http://www.wSCO.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 the 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
  - WSCO course equivalents are **BIOL 1010/101L**, & **CHEM 1210/121L**
5. **Submit 3 completed recommendation forms (online)**  
[www.wSCO.edu](http://www.wSCO.edu) > Academics > Health > Scroll down to Medical Laboratory Technology > Reference Form
  - **NON-FAMILY** members **must** complete these forms

**Step 2:** 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.**



**Washington State College of Ohio  
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 College of Ohio, 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, or 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 the 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 College of Ohio:

## **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.



**Medical Laboratory Technology**

**Estimated Costs for 2026-2028**

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

**Fall Semester 2026**

Credit Hours:	15
Tuition:	\$2,550.00
Books:	\$1,400.00
iPad, IPencil, Keyboard	\$1,302.00
Lab Coat/Face Shield/Goggles:	\$ 120.00 (\$40 x 3)
<i>(three sets of disposable coats/shields - BIOL, CHEM, MLT)*</i>	
Lab Fees:	\$ 535.00
CastleBranch:	\$ 180.00
<b>Total Cost Estimate:</b>	<b>\$6,087.00</b>

**Spring Semester 2027**

Credit Hours:	15
Tuition:	\$2,550.00
Books:	\$1,300.00
Lab Coat/Face Shield:	\$ 80.00 (\$40 x 2)
<i>(two sets of disposable coats/shields - BIOL, CHEM)</i>	
Lab Fees:	\$ 345.00
<b>Total Cost Estimate:</b>	<b>\$4,275.00</b>

**Summer Semester 2027**

Credit Hours:	12
Tuition:	\$2,040.00
Books:	\$ 250.00
Lab Fees:	\$ 240.00
<b>Total Cost Estimate:</b>	<b>\$2,530.00</b>

**Fall Semester 2027**

Credit Hours:	13
Tuition:	\$2,210.00
Books:	\$ 350.00
Lab Fees:	\$ 320.00
<b>Total Cost Estimate:</b>	<b>\$2,880.00</b>

**Spring Semester 2028**

Credit Hours:	10
Tuition:	\$1,700.00
Books:	\$ 200.00
<b>ASCP BOC MLS/MLT Study Bundle:</b>	<b>\$ 179.00</b>
<b>Total Cost Estimate:</b>	<b>\$2,079.00</b>

**Total Credits for AAS Degree (65)**  
**Total Tuition for AAS Degree \$11,050.00**

**Total (In-State): \$17,851.00**

*Required travel to clinical sites is not included in the estimated costs*

**Certification Exam:**  
**ASCP MLT Certification Exam \$225.00**

<b>Additional Estimated Costs</b>	
Physical/Immunizations:	\$ 750.00 (+)
Drug Screen:	\$ 90.00
Criminal Background Check:	\$ 40.00
CPR Training:	\$ 25-80
Uniforms/Shoes:	\$ 300.00

**\* Some classes other than MLT classes may offer or allow the 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. A **criminal background check** is required; it is available through **Marietta Memorial Hospital** for **\$40.00**.

# MEDICAL LABORATORY TECHNOLOGY

## Associate of Applied Science Degree for Direct Employment

Student: \_\_\_\_\_  
 Phone #: \_\_\_\_\_  
 Date Enrolled: \_\_\_\_\_

To be eligible for graduation, a student **must complete all** general education courses listed below with a "C" or better **and** all MLT technical courses with a "C" or better **and** maintain a cumulative GPA of at least 2.0.

**\*Program Prerequisites "C" or higher in the following courses:**

1. High School Algebra or Equivalent or Higher
2. High School Biology or BIOL 1010 & BIOL 101L or Higher
3. High School Chemistry or CHEM 1210 & CHEM 121L or Higher

GENERAL EDUCATION COURSES	SEMESTER CREDITS	Semester Taken	Grade
<b>ENGLISH COMPOSITION (3)</b>			
ENGL 1510 English Composition I	3	_____	_____
<b>SOCIAL AND BEHAVIORAL SCIENCES (3)</b>			
_____ Elective	3	_____	_____
<b>ARTS AND HUMANITIES (3)</b>			
HUMN 1200 Intro to Film	3	_____	_____
<b>SPEECH (3)</b>			
SPCH 1510 Speech <b>OR/</b>	3/ <b>OR</b>	_____	_____
SPCH 2060 Interpersonal Communication	3	_____	_____
<b>MATH (4)</b>			
MATH 2110 Principles of Statistics	4	_____	_____
<b>NATURAL SCIENCES (16) – (8 BIOL/8 CHEM)</b>			
BIOL 1100 General Biology I*	3	_____	_____
BIOL 110L General Biology I Lab <b>OR/</b>	1/ <b>OR</b>	_____	_____
BIOL 112L General Biology for MLT I Lab	1	_____	_____
BIOL 1110 General Biology II*	3	_____	_____
BIOL 111L General Biology II Lab <b>OR/</b>	1/ <b>OR</b>	_____	_____
BIOL 113L General Biology for MLT II Lab	1	_____	_____
BIOL 2310 Human Anatomy & Physiology I*	3	_____	_____
BIOL 231L Human Anatomy & Physiology I Lab*	1	_____	_____
BIOL 2320 Human Anatomy & Physiology II*	3	_____	_____
BIOL 232L Human Anatomy & Physiology II Lab*	1	_____	_____
CHEM 1510 Fundamental of Chemistry I	3	_____	_____
CHEM 151L Fundamental of Chemistry I Lab <b>OR/</b>	1/ <b>OR</b>	_____	_____
CHEM 153L Chemistry for MLT I Lab	1	_____	_____
CHEM 1520 Fundamentals of Chemistry II	3	_____	_____
CHEM 152L Fundamentals of Chemistry II Lab <b>OR/</b>	1/ <b>OR</b>	_____	_____
CHEM 154L Chemistry for MLT II Lab	1	_____	_____
<b>MEDICAL LABORATORY TECHNOLOGY MAJOR (33)</b>			
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	_____	_____
	<b>65</b>		

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

## MEDICAL LABORATORY TECHNOLOGY

### SEMESTER I

BIOL	1100/	GENERAL BIOLOGY I (3) 3-0 *
BIOL	110L	GENERAL BIOLOGY I LAB (1) 0-3 <b>OR/</b>
BIOL	112L	GENERAL BIOLOGY for MLT I LAB (1) 0-3 <i>(Online students only)</i>
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 <b>OR/</b>
CHEM	153L	CHEMISTRY FOR MLT I LAB (1) 0-3 <i>(Online students only)</i>
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 <b>OR/</b>
BIOL	113L	GENERAL BIOLOGY for MLT II LAB (1) 0-3 <i>(Online students only)</i>
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 <b>OR/</b>
CHEM	154L	CHEMISTRY FOR MLT II LAB (1) 0-3 <i>(Online students only)</i>
MMLT	1320	HEMATOLOGY II (2) 1-3
MMLT	1510	DIAGNOSTIC MICROBIOLOGY (5) 3-4

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### 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 <b>OR/</b>
SPCH	2060	INTERPERSONAL COMMUNICATION (3) 3-0

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Evening courses may be required to complete this program.

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