

### Application Deadline

Admission to Medical Laboratory Technology is on a rolling basis. Students who have completed their application are admitted in order by the date their application is complete. Although there is no deadline, applicants are encouraged to apply by May 1st, as space is limited.

### Special Note Regarding Residency

Non-Massachusetts residents will be admitted on a space available basis only.

### Program Description

The Medical Laboratory Technology Associate in Science degree program is designed to prepare the student for entry into the clinical laboratory setting as a medical laboratory technician. As a member of the health care team, the medical laboratory technician plays a critical role in the detection, diagnosis and treatment of disease by developing data on blood and other human body fluids using highly computerized and automated instrumentation. Medical laboratory technicians work under the supervision of medical technologists or physicians in all areas of the laboratory, including chemistry, hematology, immunology, serology, immunohematology and microbiology. The student will become proficient in these disciplines of the laboratory through didactic and laboratory sessions at the college, and clinical practicums at affiliated sites. Students who complete the program are then eligible to sit for the board of certification exam with the American Society for Clinical Pathology (ASCP).

### Admission Information

The availability of appropriate clinical placement sites, an integral component of the program, requires us to limit admission. The Admission committee will review applications in their entirety. Academic history will also be considered and students are required to have a minimum cumulative 2.5 GPA. Non-Massachusetts residents will be admitted on space available basis only.

### Admission Requirements Checklist

The following are the admissions requirements needed for program qualifications:

- **Completion of college General Biology BIO 131**, with a grade of C (73%) or higher within the last 5 years (*Fall 2018 or later*).
- **Completion of high school or college Chemistry**, with a grade of C (73%) or higher within the last 5 years (*Fall 2018 or later*).  
**Note:** Applicants with previous college coursework in Anatomy & Physiology and Chemistry may be eligible for a waiver of the required course prerequisites, upon review of official transcripts
- **Eligible for ENG 101 and MAT 177**; eligibility may be demonstrated through placement, course enrollment, previous college coursework, or high school transcripts.
- **Cumulative 2.5 GPA or higher.**

### Submitting a Complete Application

If you meet the admissions requirements, the following items must be submitted in your application:

- A completed online Middlesex Community College Application
- Submitted official college transcripts (required from all colleges attended, except Middlesex Community College). Official transcripts can be sent to Registrar@middlesex.mass.edu or

**Middlesex Community College**  
**Enrollment Management Center**  
**33 Kearney Square**  
**Lowell, MA 01852**

### Criminal Offender Record Information and Sex Offender Registry Information Checks

In order for a student to be eligible to participate in an academic, community or clinical program that involves potential unsupervised contact with children, the disabled, or the elderly, the student may be required to undergo a Criminal Offender Record Information (CORI) check and/or a Sex Offender Registry Information (SORI) check.

For more information regarding Middlesex Community College's CORI/ SORI check process, please contact Human Resources at <https://www.middlesex.mass.edu/humanresources/> or call 781-280-3527

# Curriculum

• Fall 2023 •

## Medical Laboratory Technology (MLT) Associate in Science

Course #	Course Title	Credits
MLT 105	Introduction to Clinical Laboratory Science	3
MLT 106	Basic Clinical Laboratory Theory and Techniques	4
MLT 151	Urinalysis and Body Fluids	2
MLT 152	Urinalysis Practicum	1
MLT 153	Immunology and Serology	3
MLT 201	Hematology Theory and Lab	4
MLT 202	Clinical Chemistry Theory and Lab	4
MLT 203	Medical Microbiology Theory and Lab	4
MLT 205	Clinical Chemistry Practicum	2
MLT 251	Immunochemistry Theory and Lab	4
MLT 252	Hematology Practicum	2
MLT 253	Medical Microbiology Practicum	2
MLT 254	MLT Seminar	1
MLT 255	Immunochemistry Practicum	2
<b>Non-Medical Laboratory Technology (MLT) Courses</b>		
ENG 101	English Composition I	3
ENG 102	English Composition II	3
BIO 231	Anatomy & Physiology I	4
BIO 232	Anatomy & Physiology II	4
CHE 131	College Chemistry I	4
CHE 132	College Chemistry II	4
ETH 105	Introduction to Bioethics	3
MAT 177	Statistics	3
SOC 101	Introduction to Sociology	3
PSY 101	Introduction to Psychology	3
	<b>Total credits</b>	<b>72</b>

**Program Coordinator:** Suzanne McHale, MLS (ASCP), M.S., University of Massachusetts Lowell

Please refer to the Middlesex Community College Academic Catalog (<http://catalog.middlesex.mass.edu/>) for Medical Laboratory Technology course sequencing, prerequisite and corequisite information.

*Middlesex Community College is an affirmative action/equal opportunity employer and does not discriminate on the basis of race, color, national origin, sex, disability, religion, age, veteran status, genetic information, gender identity or sexual orientation in its programs and activities as required by Title IX of the Educational Amendments of 1972, the Americans with Disabilities Act of 1990, Section 504 of the Rehabilitation Act of 1973, Title VII of the Civil Rights Act of 1964, and other applicable statutes and college policies. The College prohibits sexual harassment, including sexual violence. Inquiries or complaints concerning discrimination, harassment, retaliation or sexual violence shall be referred to the College's Affirmative Action and/or Title IX Coordinator, the Massachusetts Commission Against Discrimination, the Equal Employment Opportunities Commission or the United States Department of Education's Office for Civil Rights.*