

2025 Medical Laboratory Technician (MLT) Program Resource Page

Program begins every fall (August) in Middletown | Application opens August 1st - February 1st application deadline

Students are placed into the AS Liberal Arts program until accepted into the AAS MLT Program (see reverse)

Please note, starting fall 2024, the four-semester sequence for MLT will include Oral Communication, a Category E Social Science Elective & completion of MAT 102 (Intermediate Algebra) or MAT 120 (Statistics) or MAT 121 (College Algebra)

Academic Requirements

- English pre-requisite:** Eligible to take ENG 101, Freshman English I
- Math pre-requisite:** Eligible to take MAT 102 (inter Alg.) or completion of MAT 102 (inter Alg.) or MAT 120 (Stats) or higher with a grade of “C” or higher.
- Minimum program GPA of 2.50** within non-clinical program courses (outlined below), except for PES courses.

Department Requirements

- Pre-Admission Seminar:** Attend a Medical Laboratory Technician department pre-admission seminar within 3 years of the application deadline. At this seminar, students receive and sign off on receiving information pertaining to the admission application and review requirements along with the steps needed to secure a seat if a student is offered admissions into the program. For Fall 2025 applicants, the seminar must have been attended after February 1, 2022.

Application Requirements

- Submit a Health Profession Application:** https://sunyorange.edu/admissions/health_professions/index.html
**Please note that this application can serve as a general application to the College as well as the Medical Laboratory Technician Program. Students who are not already attending SUNY Orange are initially accepted with an AS Liberal Arts major until they are accepted into the AAS Medical Laboratory Technician Program.
- Submit official high school transcript or GED with score report**
- Submit all official college transcripts** (if applicable)

All of the above requirements must be submitted to the Office of Admissions by February 1, 2025 in order to be considered for acceptance into the program for the fall 2025 semester.

Non-Clinical Program Courses

Though not required to be eligible to apply for the program, the courses below (23 credits) are required as part of the Medical Laboratory Technician Degree and completing them prior to applying for the program will strengthen your application. Please be aware that if you have not taken a course within its designated timeframe, you must retake it in order for it to be considered in the review of your application. Only courses completed with a grade of C or better as of the application deadline will be considered. Transfer students will have letter grade(s) from the appropriate courses at previous institutions considered when evaluating the program GPA.

Course Number	Course Name	Credit	Semester	Year	Grade
ENG 101	Freshman English I	3			
ENG 102	Freshman English II	3			
_____	Category E Social Science Elective	3			
_____	Any Social Science Elective	3			
CHM 103*	Applied Chemistry I* (Offered in the fall semester only)	3			
CHM 104*	Applied Chemistry II* (Offered in the spring semester only)	3			
MAT ____	MAT 102 (Inter Alg.) or MAT 120 (Stats) or higher	3			
PES 100	Concepts of Physical Wellness	1			

***Must have been completed within 10 years of application deadline (after February 1, 2015) ***

2025 Medical Laboratory Technician (MLT) Program Resource Page

Program begins every fall (August) in Middletown | Application opens August 1st - February 1st application deadline

Selection Process

- All non-clinical program courses listed above with a grade of C or better will be included in the program GPA calculation and credit review. Transfer students will have letter grade(s) from the appropriate courses at previous institutions considered when evaluating the program GPA.
- Applicants will be considered based on the completion of all academic, department, and application requirements, the total number of non-clinical program credits completed (see table above), program GPA and science GPA. For the Medical Laboratory Technician, the following courses will be calculated in the science GPA: CHM 103 and CHM 104.
- For complete information on health profession program requirements, including a breakdown of how points are calculated, visit: https://sunyorange.edu/admissions/health_professions/index.html

A.A.S Medical Laboratory Technician Degree

The courses listed below in *italics* are the same non-clinical program courses listed in the table at the bottom of page one of this document. Due to the competitive nature of this program, some or all of these non-clinical program courses may be completed before applying to the Medical Laboratory Technician Program. Once accepted to the Medical Laboratory Technician Program, all clinical courses (all MLT courses) must be completed in two years as outlined below.

First Semester - Fall			Third Semester - Fall		
ENG 101	<i>Freshman English I</i>	3 cr.	_____	<i>Social Science Elective</i>	3 cr.
CHM 103	<i>Applied Chemistry I</i>	3 cr.	MLT 203	Immunohematology	3 cr.
MAT ____	<i>MAT 102 (Inter Alg) or MAT 120 (Stats) or higher</i>	3 cr.	MLT 207	Clinical Chemistry 1	3 cr.
MLT 101	Fundamentals of Medical Physiology I	4 cr.	MLT 209	General Microbiology	4 cr.
MLT 103	Immunology & Serology	3 cr.	MLT 251	Clinical Training1	4 cr.
MLT 105	Survey of Clinical Laboratory Science	2 cr.	PES 100	<i>Concepts of Physical Wellness</i>	1 cr.
Second Semester - Spring			Fourth Semester - Spring		
ENG 102	<i>Freshman English II</i>	3 cr.	MLT 208	Clinical Chemistry 2	3 cr.
_____	<i>Category E. Social Science</i>	3 cr.	MLT 212	Clinical Microbiology	3 cr.
CHM 104	<i>Applied Chemistry II</i>	3 cr.	MLT 252	Clinical Training 2	5 cr.
MLT 102	Urinalysis/Body Fluids	3 cr.	COM 100	Oral Communication	1 cr.
MLT 104	Hematology	4 cr.	MLT 200	Clinical Applications & Review	2 cr.

Total Credits: 64