

Medical Laboratory Technician Degree Map



● CAREER DEGREE M MIDDLETOWN CAMPUS

A Day in the Life ...

Medical Laboratory technicians perform routine clinical laboratory tests in areas such as clinical chemistry, hematology, coagulation, immunology, immunohematology/transfusion medicine, microbiology, urine and body fluid analysis and laboratory operations.

They perform waived tests, point of care analysis and complex analysis on various specimens. Medical Laboratory Technicians possess basic knowledge and skills regarding the application of safety and governmental compliance, principles and practices of professional conduct, and the significance of continuing professional development as well as having sufficient communications to serve the needs of patients, the public and members of the healthcare team.

Three Reasons to Consider Medical Laboratory Technician

1. This is a two-year program that offers many career paths
2. This program prepares students to be employed immediately after graduation in area hospital labs
3. This profession has a very strong job outlook

Keep This in Mind

In the third and fourth semesters, you will be assigned to a clinical lab for training alongside a professional.

Clinical rotations are done for all disciplines of the lab for a minimum of 300 hours.

All MLTs working in the State of New York must be licensed.

You will be certified and NYS licensed when you take and successfully pass the ASCP exam.

Medical Laboratory Technician Gateway Courses:

- Gateway courses: MLT 105
- Key courses: MLT 101, MLT 102, MLT 103, MLT 104, MLT 105, MLT 203, MLT 207, MLT 208, MLT 209, MLT 200, MLT 212, MLT 251, MLT 252
- Electives: Social Studies Electives (Two)

Courses above have been recommended by the department to help introduce you to the program (Gateway courses) and guide you in selecting courses that will provide you with the best academic experience (Key courses and suggested Electives).

First Semester

Course #	Course Name	P, C, P/C	Cr
ENG 101	Freshman English 1 (G10A [w] & G11A)	P	3
CHM 103	Applied Chemistry 1 (G2A)	P/C	3
Either	Intermediate Algebra or Higher (G1A)	P	3
MAT 102 or higher			
Or	Introduction to Statistics or Higher (G1A)	P	
MAT 120 or higher			
Or	College Algebra or Higher (G1A)	P	
MAT 121 or higher			
MLT 101	Fundamentals of Medical Physiology	C	4
MLT 103	Immunology and Serology	C	3
MLT 105	Survey of Clinical Laboratory Science	C	2
	Total Semester Credits		18

Milestones

During this semester, students should:

- Meet with an advisor and schedule next semester classes
- You must pass each course in each semester with a 75 or higher in order to progress in the program; there is only one repeat allowed for each class not successfully completed

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Second Semester

Course #	Course Name	P, C, P/C	Cr
ENG 102	Freshman English 2 (G7A & G12A)	P	3
	Category E Social Science (G6A)		3
CHM 104	Applied Chemistry 2 (G2A)	P	3
MLT 102	Urinalysis and Body Fluids	P	3
MLT 104	Hematology	P	4
	Total Semester Credits		16

Milestones

During this semester, students should:

- Schedule next semester's classes

Third Semester

Course #	Course Name	P, C, P/C	Cr
	Social Science Elective		3
MLT 203	Immunohematology	P	3
MLT 207	Clinical Chemistry 1	P	3
MLT 209	General Microbiology (G2A)	P	4
MLT 251	Clinical Training 1	P, C	2
PES 100	Concepts of Physical Wellness		1
	Total Semester Credits		16

Milestones

During this semester, students should:

- Perform a degree audit and register for classes

Fourth Semester

Course #	Course Name	P, C, P/C	Cr
MLT 208	Clinical Chemistry 2	P	3
MLT 212	Clinical Microbiology	P	3
MLT 252	Clinical Training 2	P	5
COM 100	Oral Communication (G10A [o])*		1
MLT 200	Clinical Applications and Review	P, C	2
	Total Semester Credits		14

Milestones

During this semester, students should:

- Successfully complete clinical rotations
- Attend pinning ceremony
- Apply for graduation

TOTAL DEGREE CREDITS: 64

NOTE:

*COM 101 fulfills requirement of COM 100