

# Medical Laboratory Technician Degree Map

● CAREER DEGREE     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	P	3
CHM 103	Applied Chemistry 1	P/C	3
MAT ____	Math (Elementary Algebra or Higher)		3
MLT 101	Fundamentals of Medical Physiology	C	4
MLT 103	Immunology	C	3
MLT 105	Intro to Lab 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

## Second Semester

Course #	Course Name	P, C, P/C	Cr
ENG 102	Freshman English 2	P	3
_____	Social Science Elective		3
CHM 104	Applied Chemistry 2	P	3
MLT 102	Urinalysis and Body Fluids	P	3
MLT 104	Hematology	P	4
	Total Semester Credits		16

# SUNY Orange 22-23

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## 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	P	4
MLT 251	Clinical Training 1	P, C	2
PES 100	Concepts of 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
PES ____	Physical Education		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**