

Medical Laboratory Technology (2220) (A.S.)

ASSOCIATE IN SCIENCE RECOMMENDED ROADMAP

This academic roadmap is designed to help you select courses each term for your **Associate in Science Degree in Medical Laboratory Technology (2220) (A.S.)**. The mission of the Associate in Science in Medical Laboratory Technology (AS-MLT) program is to provide access to an affordable high-quality educational program designed to train and educate competent and ethical entry-level clinical laboratory professionals in partnership with affiliated healthcare institutions. The program focuses on comprehension and mastery of the profession's body of knowledge in conjunction with clinical skill development.

This roadmap is intended to provide general guidance about recommended courses and mile markers. For specific guidance about your individual academic degree plan, please see a program advisor. Please also refer to the College Catalog for additional information.

Career Options: The Associate in Science in Medical Laboratory Technology offers many exciting career opportunities. Some experienced graduates can become technical specialists or senior techs. Some graduates move into laboratory information system management or become technical representatives for instrument companies. To become a supervisor, the graduate will need to earn a bachelor's degree in Clinical Lab Science or Biology.

Term Offered: F = Fall Sp = Spring Sm = Summer

Available Modalities: HB = Hybrid OC = On-Campus OL = Online

Full-Time Students: Term-by-Term	Course: Course Title	Credit Hours	Term Offered	Available Modalities	Mile Markers and Notes
Prerequisites Taken Before Program Admission					<p>Complete an academic degree plan with your advisor.</p> <p>Follow up with an advisor about any accelerated credits that you may have earned (e.g., dual enrollment, AP, CLEP, etc.).</p> <p>ENC 1101C can be taken in place of ENC 1101. Please speak with your advisor for more information.</p> <p>A passing score on the Toledo Chemistry exam will substitute for CHM 1025C. CHM 1025C is a prerequisite for CHM 2045C.</p> <p>CHM 2046C may be substituted if CHM 2045C was taken instead of CHM 1025C.</p>
	ENC 1101: English Composition I	3			
	MAC 1105: College Algebra (or higher-level MAC-prefix course) or MAP 2302: Differential Equations	3			
	CHM 1025C: Introduction to General Chemistry	4			
	CHM 2045C: General Chemistry and Qualitative Analysis I	4			
	BSC 2020C: Human Biology	4			
	MCB 2010C: Microbiology	4			
	HSC 1531: Medical Terminology (for health professions)	3			

Term 1	ENC 1101: English Composition I MAC 1105: College Algebra CHM 1025C: Introduction to General Chemistry BSC 2020C: Human Biology	3 3 4 4			
Term 2	CHM 2045C: General Chemistry and Qualitative Analysis I MCB 2010C: Microbiology HSC 1531: Medical Terminology (For Health Professions) Choose 1 General Education Social and Behavioral Sciences course	4 4 3 3			See the options for the General Education Requirements in the current College Catalog.
Term 3 (First Term after acceptance in the MLT Program)	MLT 1022C: Introduction to Health Technology MLT 1301C: Hematology I MLT 2500C: Clinical Immunology Choose 1 General Education Humanities course	3 3 4 3	F	OC (Lab experiences are always face-to-face.)	See the options for the General Education Requirements in the current College Catalog.
Term 4	MLT 1302C: Hematology II MLT 2230C: Clinical Microscopy MLT 2525C: Immunohematology MLT 2610C: Clinical Chemistry	3 2 4 4	Sp	OC (Lab experiences are always face-to-face.)	
Term 5	MLT 1401C: Medical Microbiology MLT 1440C: Parasitology/Mycology MLT 2150C: Clinical Correlations	4 2 2	Sm	OC (Lab experiences are always face-to-face.)	
Term 6	MLT 2800L: Clinical Practicum I	7	F	OC	
Term 7	MLT 2801L: Clinical Practicum II	7	Sp	OC	Apply for graduation by the required date. <i>Congratulations, Graduate! Celebrate your success at Commencement!</i>

Total Program Credit Hours =	76	
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Important for You to Know:

- This academic roadmap does not include developmental education courses in reading, writing, and/or mathematics that you may be required to take. In addition, it does not include MAT 1033: Intermediate Algebra, which, for many students, is a prerequisite course for MAC 1105. Please consult with an advisor for individual assistance.