

MEDICAL LABORATORY TECHNOLOGY, ASSOCIATE IN SCIENCE

Program Code: MLAS

Meta-Major: HSCI

Location(s): Cocoa

Delivery Method(s): On-Campus

Previous Degree Required: HS Diploma

Eligible for Financial Aid: Yes

Additional Limited Access Application Process Required: Yes

Program Testing Requirements: CPT - Common Placement Test (PERT, ACCUPLACER, SAT, ACT)

Classification of Instructional Programs (CIP) Code: 51.1004

Florida Department of Education CIP Code: 1351100405

This program is accredited by the

National Accrediting Agency for Clinical Laboratory Sciences ([NAACLS](#))
 5600 N. River Road, Suite 720
 Rosemont, IL 60018
 (773) 714-8880

Upon completion of the program, the student will be able to take the examination for national certification and is eligible for state license as required by the Florida Clinical Laboratory Law.

Admission to the Medical Laboratory Technology program is limited. [Visit the program page for more details and how to apply.](#)

Code	Title	Credit Hours
General Education Courses		
BSCC 1010	General Biology 1	4
ENC 1101	Composition 1	3
MAC 1105	College Algebra	3
	Humanities Core Requirement	3
	Social/Behavioral Science/Core-Civic Literacy Requirement	3
Major Courses		
MLT 1040	Laboratory Specimens and Microscopy	3
MLT 1300	Hematology	3
MLT 1330	Hemostasis	2
MLT 1440	Parasitology and Mycology	2
MLT 1500	Immunology/Serology	3
MLT 1525	Immuno-hematology	3
MLT 1610	Clinical Chemistry	4
MLT 2401	Medical Microbiology	3
MLT 2760	Clinical Instrumentation	3
MLT 2930	Pathology Seminar	2
MLTL 1046	Core Lab 1: Basic Skills Module	1
MLTL 1230	Core Lab 3: Microscopy Module	1
MLTL 1500	Immunology/Serology Laboratory	1
MLTL 1525	Immuno-hematology Laboratory	1
MLTL 2401	Medical Microbiology Laboratory	2
MLTL 2527	Advanced Immuno-hematology Laboratory	1

MLTL 2760	Core Lab 2: Automation Module	1
MLTL 2806	Core Laboratory Clinical Rotation	5
MLTL 2807	Transfusion Medicine Clinical Rotation	1
MLTL 2811	Microbiology and Molecular Clinical Rotation	3
Support Courses		
BSCC 1426	Introduction to Biotechnology Methods	4
CHM 1045	General Chemistry 1	3
CHM 1046	General Chemistry 2	3
CHML 1045	General Chemistry 1 Laboratory	1
CHML 1046	General Chemistry 2 Laboratory	1
SPC 2608	Fundamentals of Speech Communication	3
Total Credit Hours		76

Notes:

- A grade of "C" or higher is necessary in each major course for progression and graduation.
- Program Manager approval required prior to scheduling clinical rotations.
- General Biology and General Chemistry 1 and 2 must be completed prior to beginning MLT coursework.
- All MLT lecture courses must be successfully completed prior to scheduling clinical rotations.
- Summer term online courses will also be offered in fall term.

Learning Outcomes: Medical Laboratory Technology A.S.

1. Demonstrate understanding of basic and advanced laboratory analysis
 - *Supports Core Ability: Think Critically and Solve Problems*
2. Demonstrate visual identification of cells, organisms, assay schematics, abnormalities
 - *Supports Core Ability: Think Critically and Solve Problems*
3. Demonstrate successful performance of laboratory assays in a clinical setting
 - *Supports Core Ability: Model Ethical and Civic Responsibility*
4. Demonstrate successful performance of professional behavior in a clinical setting
 - *Supports Core Ability: Model Ethical and Civic Responsibility*
5. Evaluate lab results to determine accuracy and consistency with overall patient condition
 - *Supports Core Ability: Think Critically and Solve Problems*