

# Medical Laboratory Technology A.A.S.

## Degree Type

A.A.S.

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The Medical Laboratory Technician (MLT/CLT) is a laboratory professional that performs analyses of patient specimens in all areas of the clinical laboratory including, hematology, clinical microbiology, clinical chemistry, immunology, urinalysis and immunohematology. Test results assist physicians in the diagnosis and monitoring of patient diseases such as diabetes, heart disease, kidney disease, infectious disease, malignancies and other disease states. Medical Laboratory Technicians must be dedicated and self-motivated and be able to work independently, think analytically, exhibit manual dexterity, and must be willing to perform as an integral part of the health care team. Current shortages of laboratory personnel in Texas and the nation offer Medical Laboratory Technicians many employment opportunities.

The program is seeking accreditation from the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), in cooperation with the Commission of Accreditation of Health Science Education Programs (CAAHEP) and the American Medical Association (AMA).

## Prerequisite Courses for Medical Laboratory Technology

Course Number	Title	Credits
PLAB 1460	Clinical	4
PLAB 1323	Phlebotomy	3
BIOL 2402	Human Anatomy and Physiology II	4
HPRS 2321	Medical Law and Ethics for Health Professionals	3

## Fall Semester

Course Number	Title	Credits
	CHEM 1406 or CHEM 1411	4
ENGL 1301	Composition I	3
	Creative Arts Elective	3
MLAB 1201	Introduction to Clinical Laboratory Sciences	2

## Spring Semester

Course Number	Title	Credits
PSYC 2301	General Psychology	3
MLAB 1211	Urinalysis and Body Fluids	2
MLAB 1235	Immunology/Serology	2
MLAB 1315	Hematology	3
MLAB 1227	Coagulation	2

## Summer (12 weeks)

<b>Course Number</b>	<b>Title</b>	<b>Credits</b>
MLAB 1231	Parasitology/Mycology	2
MLAB 2434	Clinical Microbiology	4

## Fall Semester

<b>Course Number</b>	<b>Title</b>	<b>Credits</b>
MLAB 2331	Immunohematology	3
MLAB 2401	Clinical Chemistry	4
MLAB 2364	Practicum I	3

## Spring Semester

<b>Course Number</b>	<b>Title</b>	<b>Credits</b>
MLAB 2464	Practicum II	4
MLAB 2232	Seminar in Medical Laboratory Technology	2
	Total Credits	60