

# Medical Laboratory Technology A.A.S.

## **Degree Type**

A.A.S.

## **Advanced Placement - Tarleton State University**

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Weatherford College in partnership with Tarleton State University, a part of the Texas A & M University System, offers prerequisite courses for the Medical Laboratory Technician Certification program through Tarleton State University's Department of Clinical Laboratory Sciences in Fort Worth, Texas.

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.

Upon completion of 32-35 hours of required courses from Weatherford College, students will complete 37 hours of sophomore level courses at Tarleton State University for the degree. The sophomore courses comprising the technical program will be taken in Fort Worth at the Schaffer Building and affiliated clinical hospital sites. These courses will comprise the certification portion of the degree plan. Students are admitted at the beginning of each semester; the program's technical courses are completed in 15 months. After successful completion of the program, students are eligible for the Associate of Applied Science degree in Medical Laboratory Technology awarded by Tarleton State University and are also eligible to apply for the Medical Laboratory Technology (MLT) national certification exam administered by the American Society for Clinical Pathology (ASCP) Board of Registry. Acceptance into the program is on a competitive basis.

The program is accredited by 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 – Taken at Weatherford College

\* Students planning to articulate from the Medical Laboratory Technology, Associate of Applied Science Degree to the Clinical Laboratory Science, Bachelor of Science Degree should choose BIOL 1406, 1407, and CHEM 1411, 1412.

Course Number	Title	Credits
	Biology	12
	Chemistry	6-8
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
	SPCH 1321 or SPCH 1311	3
	MATH 1314 or MATH 1332	3
	Language, Philosophy & Culture or Fine Arts Elective	3

## Required Medical Laboratory Courses

– To be taken in Fort Worth through Tarleton State University and affiliated clinical sites.

\* Students may begin the Medical Laboratory Technology program during a fall, spring, or summer semester. Completion of Weatherford College Phlebotomy Program transfers as MLAB 2182 in the MLT curriculum.

## Fall Semester

Course Number	Title	Credits
MLAB 2182	Introduction to Medical Laboratory Sciences	1
MLAB 2364	Introduction to Immunology/Serology	3
MLAB 2444	Introduction to Immunohematology	4
MLAB 2474	Laboratory Operations	4
MLAB 2194	MLT Field Practicum I	1

## Spring Semester

Course Number	Title	Credits
MLAB 2476	Introduction to Clinical Chemistry	4
MLAB 2424	Introduction to Hematology	4
MLAB 2228	Coagulation	2
MLAB 2195	MLT Field Practicum II	1

## Summer Semester

Course Number	Title	Credits
MLAB 2534	Introduction to Medical Microbiology	5
MLAB 2214	Introduction to Urinalysis	2
MLAB 2195	MLT Field Practicum II	1

## Fall Semester

<b>Course Number</b>	<b>Title</b>	<b>Credits</b>
MLAB 2292	MLT Field Practicum IV	2
MLAB 2285	Advanced Topics and Capstone Review	2
<b>Total Credits</b>		<b>69-71</b>