

# 2025-2026 TTC Catalog

## Medical Laboratory Technology

### Associate in Applied Science in Medical Laboratory Technology

#### 68 Credit Hours

The Medical Laboratory Technology program prepares students for entry-level positions in the field of medical laboratory science. Typical jobs include medical laboratory technician in a hospital laboratory setting.

The degree prepares students to take the ASCP (American Society for Clinical Pathology) Board of Certification or the AMT (American Medical Technology) Certification exams. These exams are the nationally recognized credentialing exams for the majority of the medical laboratory employers in accordance with the CLIA'88 personnel standards. The students are also eligible to sit for state licensure boards in all states with the exception of California upon completion of this program. The credential the students earn upon certification by either exam is Medical Laboratory Technician.

#### Accreditation

National Accrediting Agency for Clinical Laboratory Sciences  
5600 N. River Road, Suite 720  
Rosemont, IL 60018-5119

#### General Education Core Requirements

ENG 101 English Composition I 3

CHM 110 College Chemistry I 4

MAT 110 College Algebra 3

PSY 201 General Psychology 3

REQ HUM                      Select from                      3  
[Humanities](#)

Total: 16

#### Major Requirements

AHS 104 Medical Vocabulary-Anatomy 3

AHS 142 Phlebotomy 2

BIO 112 Basic Anatomy and Physiology 4 \*

MLT 101 Introduction to Medical Laboratory Technology 2

MLT 103 Introductory Topics in Medical Microbiology 4

MLT 106 Urinalysis and Body Fluids 2

MLT 107 Clinical Experience in Urinalysis and Body Fluids 1

MLT 109 Hematology I 2

MLT 111 Hematology II 2

MLT 115 Immunology 3

MLT 116 Basic Concepts of Blood Banking 2

MLT 135 Clinical Chemistry and Instrumentation 3  
MLT 206 Advanced Microbiology I 2  
MLT 207 Advanced Microbiology II 2  
MLT 211 Advanced Hematology I 2  
MLT 212 Advanced Hematology II 2  
MLT 216 Advanced Skills in Blood Banking 2  
MLT 271 Clinical Applications I 3  
MLT 272 Clinical Applications II 3  
MLT 273 Clinical Applications III 3  
MLT 274 Clinical Applications IV 3

\*May substitute BIO 210 and 211 for BIO 112.

Total: 52

Applicants will be admitted to this program on a first-qualified, first-admitted basis. Applicants are considered to be qualified for admission to the next available class when they meet all college and program requirements. Qualified applicants will be notified via my.tridenttech.edu email indicating the year that they have been admitted. Classes for the full-time format begin each Spring semester.

**In addition to meeting the college's general admission requirements, including submission of official high school and college transcripts, APPLICANTS TO THE MLT PROGRAM MUST COMPLETE ALL OF THE FOLLOWING REQUIREMENTS:**

1. Complete the **Health Sciences Application**.
2. Complete MAT 110 College Algebra, CHM 110 College Chemistry, BIO 112 Basic Anatomy and Physiology, AHS 104 Medical Vocabulary/Anatomy, and AHS 142 Phlebotomy.
  - a. These courses must be completed with a minimum grade of C.
  - b. Laboratory science courses, AHS 104 and AHS 142, must have been taken within five years of acceptance into the program. AHS 142 Phlebotomy may be substituted by submitting proof of current ASCP Certification and current work experience (showing minimum of 20 hours per week) using the ASCP Board of Certification Work Experience Documentation form for Phlebotomy Technician found on the ASCP website.
  - c. The applicant must achieve a minimum 2.0 GPA at the time of acceptance and at date of entry into the program based on classes taken within five years of acceptance into the program.
3. After submitting the Health Sciences Application, the student will receive details in their Trident Tech email from the Health Sciences Admissions Coordinator regarding the Information Session and quiz. Students must achieve a 100% score on the online quiz following the session to verify the information was reviewed and understood.
4. Submit the Statement of Completion form online. The link to the form can be found on the Health Sciences webpage.

1. Students will be required to provide a completed, current Health Sciences – Student Health Record including all immunizations and titers, TB (PPD) tests, as well as current Healthcare Provider CPR certification, major medical insurance and medical professional liability coverage.
2. Students will be notified by my.tridenttech.edu email the date and time of the mandatory program orientation. Failure to attend will result in forfeiture of seat in the

*Note: Falsification of any information submitted will make a student ineligible for admission to or continuation in the Medical Laboratory Technology Program.*

### **Course Progression**

In order to progress to the next semester once accepted into the program, students must earn a grade of C or better in each course and earn a grade of satisfactory on professional development evaluations in order to progress to the next semester.