

Associate in Science Degree: Medical Laboratory Technician

The Medical Laboratory Technology Associate Degree program prepares students for employment in clinical laboratories, industry and biotechnology. The MLT Program curriculum, an integration of classroom lectures, student laboratories and clinical training, fosters development of analytical and problem solving skills required in this profession.

PREREQUISITES – completed with minimum 2.50 GPA

1. Anatomy (4 semester or 6 quarter units)
 2. Physiology (4 semester or 6 quarter units)
 3. Microbiology (4 semester or 6 quarter units)
 4. Preparatory General Chemistry (4 semester or 6 quarter units)
- Completing program prerequisites does not assure admission into the program.

RECOMMENDED PREPARATION

1. ENGL-C1000 or ENGL-C1000H. It is highly recommend that students be proficient in both the written and oral English language prior to enrolling in the program or, at the very least, prior to enrolling in the clinical practicum courses and training at the clinical laboratory sites.

APPLICATION PROCEDURE:

Follow these steps in this order. Please see the website at www.canyons.edu/mlt for links to help with these steps.

1. Submit College of the Canyons application and obtain a student identification number.
2. Submit the following documents to Admissions and Records:
 - Official sealed transcripts from all colleges attended, except COC (must include all coursework regardless if MLT prerequisite or not)
 - For transcripts from other countries, an official sealed foreign transcript evaluation from a **NACES approved agency**
 - Official College Board AP English score
 - A copy of high school transcript, copy of diploma, **OR** copy of GED certificate
 - Students with transcripts evaluated by ACCRAO should contact the Health Professions and Public Safety office for assistance.
3. Submit MLT Program Application to the Health Professions and Public Safety office. Evidence of completion of Phlebotomy must be attached to the application. A valid COC email address is required.
4. The MLT application and official transcripts will be evaluated to determine if applicant meets current MLT Program selection criteria. Applicants will not be eligible for selection if admission requirements are not met.
5. Selected applicants must attend and complete the mandatory program orientation or they will be dropped from the program.

Mandatory Requirements of all Medical Lab Technician (MLT) Students:

Once admitted to the MLT Program, students are required to complete lab experiences at affiliated hospitals and clinical labs. Students must have their own means of transportation to these off-campus sites. These facilities have requirements above and beyond the requirements of being a student on a community college campus. All students entering the program must complete the following in order to participate in program activities. If these mandatory requirements are not met, the student will be blocked from registration for the MLT courses and dropped from the program.

Current Physical

Current TB clearance – 2 Step Process or Chest Xray

Color Blindness Screening – for accommodation purposes only

Immunizations and Titers

Drug Screening

Current CPR card

Current Fire Life Safety Card

Malpractice Insurance

Background Check and OIG/GSA Clearance – any student with questions about background checks should contact the Health Professions and Public Safety office for a confidential opportunity to discuss this based on healthcare settings requirements about background clearances.

Hepatitis B Video

ID Badge

Additional details and information about these requirements will be provided to students upon acceptance to the program. Students who have questions prior to applying the program may contact the Health Professions and Public Safety office for assistance.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core skills and knowledge required for employment as a medical laboratory technician.

Program Requirements:

Units Required: 58.50

		Units:
MLT-110	Clinical Hematology Lecture	3.0
MLT-110L	Clinical Hematology Lab	1.0
MLT-112	Clinical Urinalysis Lecture	1.0
MLT-112L	Clinical Urinalysis Lab	0.5
MLT-114	Clinical Coagulation Lecture	1.0
MLT-114L	Clinical Coagulation Lab	0.50
MLT-116	Clinical Microbiology Lecture	3.0
MLT-116L	Clinical Microbiology Lab	1.0
MLT-117	Clinical Immunology Lecture	1.5
MLT-117L	Clinical Immunology Lab	0.5
MLT-119	Clinical Immunohematology Lecture	1.5
MLT-119L	Clinical Immunohematology Lab	0.5
MLT-120	Clinical Chemistry I Lecture	3.0
MLT-120L	Clinical Chemistry I Lab	1.0
MLT-124	Clinical Chemistry II Lecture	3.0
MLT-124L	Clinical Chemistry II Lab	1.0
MLT-128	Clinical Hematology/Urinalysis/Coagulation Practicum	4.0
MLT-129	Clinical Microbiology Practicum	4.0
MLT-130	Clinical Immunology/Immunohematology Practicum	3.0
MLT-131	Clinical Chemistry Practicum	4.0

Required electives:

BIOSCI-221	Introduction to Microbiology	5.0
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CHEM-151	Preparatory General Chemistry	4.0
OR		
CHEM-151H	Preparatory General Chemistry - Honors	4.0
MLT-050	Phlebotomy	3.5

Plus eight units from the following:

BIOSCI-201	Introduction to Human Anatomy	4.0
AND		
BIOSCI-202	Introduction to Human Physiology	4.0
OR		
BIOSCI-204	Human Anatomy and Physiology I	4.0
AND		
BIOSCI-205	Human Anatomy and Physiology II	4.0