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Academic Year  
**2022 - 2023**

# Medical Laboratory Technology

Biological, Health and  
Environmental Sciences Division  
Kirsch Center, Room 228  
408-864-8773

Find your counselor at  
deanza.edu/our-counselors

Please visit the Counseling and Advising Center to apply for degrees and for academic planning assistance.

### Certificate of Achievement Requirements

- Completion of all major courses with a C grade or higher.

Note: A maximum of six quarter units may be transferred from other academic institutions.

### Certificate of Achievement-Advanced Requirements

- Completion of all major courses with a C grade or higher.
- Demonstrated proficiency in English and mathematics as evidenced by eligibility for EWRT IA, EWRT IAH, EWRT IAS with EWRT IAT, or ESL 5 and eligibility for MATH I14.

Note: A maximum of 18 quarter units may be transferred from other academic institutions.

### A.A./A.S. Degree Requirements

1. Completion of all General Education (GE) requirements (32-43 quarter units) for the A.A./A.S. degree. GE units must be completed with a minimum 2.0 GPA (C average).
2. Completion of all major courses with a C grade or higher. Major courses can also be used to satisfy GE requirements (except for Liberal Arts degrees).  
  
Note: A maximum of 22 quarter units from other academic institutions may be applied toward the major.
3. Completion of a minimum of 90 degree-applicable quarter units (GE and major units included). All De Anza courses must be completed with a minimum 2.0 GPA (C average). All De Anza courses combined with courses transferred from other academic institutions must be completed with a minimum 2.0 GPA (C average).

Note: A minimum of 24 quarter units must be earned at De Anza College.

## Clinical Laboratory Assistant

### Certificate of Achievement

The Clinical Laboratory Assistant Certificate of Achievement is available to students who have successfully completed the four required courses of study. The Certificate of Achievement is a 12-month course of study that prepares students for a career as a Clinical Laboratory Assistant through classroom study. Graduates of the certificate program have a recognized skill set for jobs as a laboratory assistant and opportunity for advancement.

*Program Learning Outcomes: Upon completion, students will be able to*

- Qualify and be eligible for jobs as a clinical laboratory assistant

1. Meet the requirements for this certificate level.
2. Complete the following.

HTEC 80	Clinical Hematology Laboratory	1.5
HTEC 80A	Clinical Hematology Lecture	4.5
HTEC 83	Clinical Microbiology Laboratory	1.5
HTEC 83A	Clinical Microbiology Lecture	4.5
HTEC 84	Clinical Immunology/Immuno-hematology Laboratory	1.5
HTEC 84A	Clinical Immunology/Immuno-hematology Lecture	4.5
HTEC 85A	Clinical Chemistry I Laboratory	1.5
HTEC 85C	Clinical Chemistry I Lecture	4.5
<b>Total Units Required</b> .....		<b>24</b>

## Medical Laboratory Technology

### Certificate of Achievement-Advanced

Note: To receive the Medical Laboratory Technology Certificate of Achievement-Advanced, students must have an A.A./A.S. degree or higher.

The Medical Laboratory Technician (MLT) Certificate of Achievement-Advanced is available to students who have an associate or higher degree from an accredited U.S. institution or the evaluated equivalent from foreign study. The Certificate of Achievement-Advanced is a 15-month course of study (including one summer) that prepares students for a career as an MLT through classroom study and supervised clinical training. The MLT program provides students with a quality education that complies with the established standards and guidelines of an accredited laboratory training program. Graduates of the certificate program are eligible to sit for a state-approved national MLT certification examination.

*Program Learning Outcomes: Upon completion, students will be able to*

- Pass a state-approved national medical laboratory certification exam
1. Meet the requirements for this certificate level.
  2. Complete the following prerequisite and requirements with a C grade or better.

#### Prerequisite:

State of California Phlebotomy Certification

#### Complete the following:

BIOL 26	Introductory Microbiology	<b>16</b>
CHEM 30A	Introduction to General, Organic and Biochemistry I	6
CHEM 30B	Introduction to General, Organic and Biochemistry II	5
		5

#### Complete one option:

**15-18**

##### Option 1:

BIOL 6A	Form and Function in the Biological World (6)
or BIOL 6AH	Form and Function in the Biological World - HONORS (6)
BIOL 6B	Cell and Molecular Biology (6)
BIOL 6C	Ecology and Evolution (6)
or BIOL 6CH	Ecology and Evolution - HONORS (6)

##### Option 2:

BIOL 40A	Human Anatomy and Physiology (5)
BIOL 40B	Human Anatomy and Physiology (5)
BIOL 40C	Human Anatomy and Physiology (5)

**Prerequisite Units Required ..... 31-34**

#### Requirements:

**57**

HTEC 80A	Clinical Hematology Lecture	4.5
HTEC 80	Clinical Hematology Laboratory	1.5
HTEC 81A	Clinical Urinalysis Lecture	1.5
HTEC 81	Clinical Urinalysis Laboratory	0.75
HTEC 82A	Clinical Coagulation Lecture	1.5
HTEC 82	Clinical Coagulation Laboratory	0.75
HTEC 83A	Clinical Microbiology Lecture	4.5
HTEC 83	Clinical Microbiology Laboratory	1.5
HTEC 84A	Clinical Immunology/Immunochemistry Lecture	4.5
HTEC 84	Clinical Immunology/Immunochemistry Laboratory	1.5
HTEC 85C	Clinical Chemistry I Lecture	4.5
HTEC 85A	Clinical Chemistry I Laboratory	1.5
HTEC 85D	Clinical Chemistry II Lecture	4.5
HTEC 85B	Clinical Chemistry II Laboratory	1.5
HTEC 180	Clinical Hematology/Urinalysis/Coagulation Practicum	6
HTEC 183	Clinical Microbiology Practicum	6
HTEC 184	Clinical Immunology/Immunochemistry Practicum	4.5
HTEC 185	Clinical Chemistry Practicum	6

#### Total Units Required,

**Including Prerequisites..... 88-91**

## Medical Laboratory Technology

### A.A. Degree

The A.A. degree in Medical Laboratory Technology is a 24-month course of study (including summers) that prepares students for a career as a medical laboratory technician through classroom study and supervised clinical training. The MLT program provides students with a quality education that complies with the established standards and guidelines of an accredited laboratory training program. Graduates of the degree program are eligible to sit for a state-approved national MLT certification examination.

*Program Learning Outcomes: Upon completion, students will be able to*

- Pass a state approved national medical laboratory certification exam

For the major, complete the same prerequisites and requirements listed for the Medical Laboratory Technology Certificate of Achievement-Advanced (see above) and meet De Anza's A.A./A.S. degree requirements.