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Cupertino, CA 95014
408-864-5678
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Academic Year
2018 - 2019

Medical Laboratory Technology

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

Counseling and Advising Center
Student and Community
Services Bldg., 2nd Fl.
408-864-5400

Please visit the Counseling 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, or with a "Pass" if the course was taken on a Pass/No Pass (P/NP) basis and the "Pass" is equal to a "C" grade or higher.

Note: A maximum of six (6) quarter units may be transferred from other academic institutions.

Certificate of Achievement-Advanced Requirements

1. Completion of all major courses with a "C" grade or higher, or with a "Pass" if the course was taken on a Pass/No Pass (P/NP) basis and the "Pass" is equal to a "C" grade or higher.
2. Demonstrated proficiency in English and mathematics as evidenced by eligibility for EWRT 1A or EWRT 1AH or ESL 5 and eligibility for MATH 114.

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, or with a "Pass" if the course was taken on a Pass/No Pass (P/NP) basis and the "Pass" is equal to 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/Immunohematology Laboratory | 1.5 |
| HTEC 84A | Clinical Immunology/Immunohematology Lecture | 4.5 |
| HTEC 85A | Clinical Chemistry I Laboratory | 1.5 |
| HTEC 85C | Clinical Chemistry I Lecture | 4.5 |
| Total Units Required | | 24 |

Medical Laboratory Technology (MLT)

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 a 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 prerequisites and requirements with a "C" grade or better.

Prerequisites:

State of California Phlebotomy Certification

| | | |
|--------------------------------|--|-----------|
| Complete the following: | | 16 |
| BIOL 26 | Introductory Microbiology | 6 |
| CHEM 30A | Introduction to General, Organic and Biochemistry I | 5 |
| CHEM 30B | Introduction to General, Organic and Biochemistry II | 5 |

Complete one sequence: 15-18

- 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)

or

- 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/Immunohematology Lecture 4.5
- HTEC 84 Clinical Immunology/Immunohematology 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/Immunohematology Practicum 4.5
- HTEC 185 Clinical Chemistry Practicum 6

Total Units Required, Incl. 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.