

## PROGRAM OF STUDY

### Medical Laboratory Technician Associate in Science

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) 5. Preparatory General Chemistry (4 semester or 6 quarter units) 6. Phlebotomy Certification 7. English 101 (3 semester units) Completing program prerequisites, does not assure admission into the program. APPLICATION PROCEDURE: 1. Obtain a MLT Program Application, complete and submit it to the Allied Health Office. The following documents MUST be attached to the application: a) Official (sealed) copies of transcripts from all colleges attended (except COC). b) A copy of high school transcript, copy of diploma, OR copy of GED certificate. 2. Valid email address is required. 3. Students must attend and complete program orientation. 4. Upon acceptance into the MLT Program, obtain COC application (if not already enrolled), complete it, attach copies of official transcripts from each college attended, and submit to the college's Admissions and Records office Special 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. These facilities have requirements above and beyond the requirements of being a student on a community college campus. All students entering the program complete the following in order to participate in program activities. Current Physical Current TB clearance – 2 Step Process or Chest Xray Color Blindness Screening Immunizations and Titers Drug Screening Current CPR card Current Fire Life Safety Card Malpractice Insurance Background Check and OIG/GSA Clearance 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 Allied Health & Public Safety Division Office for assistance.

#### Student Learning Outcome:

Demonstrate proficiency in the core skills and knowledge required for employment as a medical laboratory technician.

#### Program Requirements:

		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 - 0
MLT 114	Clinical Coagulation Lecture	1 - 0
MLT 114L	Clinical Coagulation Lab	0.75 - 0
MLT 116	Clinical Microbiology Lecture	3 - 0
MLT 116L	Clinical Microbiology Lab	1 - 0
MLT 118	Clinical Immunology/Immunochemistry Lecture	3 - 0
MLT 118L	Clinical Immunology/ Immunochemistry Lab	1 - 0
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/Immunochemistry Practicum	3 - 0
MLT 131	Clinical Chemistry Practicum	4 - 0

#### Required electives:

		Units
BIOSCI 221	Introduction to Microbiology	5 - 0
CHEM 151	Preparatory General Chemistry	4 - 0
	<b>or</b>	
CHEM 151H	Preparatory General Chemistry- Honors	4 - 0
MLT 050	Phlebotomy	3.5 - 0

#### Plus eight units from the following:

		Units
BIOSCI 201	Introduction to Human Anatomy	4 - 0

	<b>and</b>		
BIOSCI 202	Introduction to Human Physiology		4 - 0
	<b>or</b>		
BIOSCI 204	Human Anatomy and Physiology I		4 - 0
	<b>and</b>		
BIOSCI 205	Human Anatomy and Physiology II		4 - 0
<b>Total Units</b>			<b>58.75</b>
			PID 108