

Medical Laboratory Technology

Associate in Applied Science

Program Supervised by:

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Medical Laboratory Technicians perform biological tests in search of diagnostic clues as evidence of health or disease. In the search for data on a patient's health, people working in this field may examine specimens through a microscope or perform, for example, the tests necessary to match a donated unit of blood to a patient in need of that unit. They may identify the microorganisms associated with health and disease. They are also competent operators of the computers and complex instrumentation which are used in most areas of today's laboratories.

The Medical Technician plays a vital role in patient care by performing the full range of laboratory testing in six major areas of the laboratory: Hematology, Immunology, Microbiology, Body Fluids, Blood Banking, and Chemistry. Technicians may choose to advance, by education or experience, to the levels of Medical Technologist or specialist.

Employment may be found in hospital laboratories, physician offices, clinics, commercial firms such as pharmaceutical companies, all types of research facilities, the armed forces, public health centers, and veterinary clinics.

Wherever they work, the technicians and technologist in this field share a strong desire to help others, a love of challenge and responsibility, and the ability to complete a wide variety of scientific tests accurately and reliably.

Pre-admission advisement is recommended.

MEDICAL LABORATORY TECHNOLOGY - CURRICULUM REQUIREMENT: The following coursework must be successfully completed to earn to A.A.S. degree in Medical Laboratory Technology.

FIRST YEAR

Credits

Fall Semester

BIO 131	Human Biology I	4
CHM 145	Chemistry I	4
ENG 110	College Writing I	3
MAT 124	Statistics I	3
MLT 110	Introduction to Medical Laboratory Technology (5 wks)	1
MLT 120	Medical Laboratory Techniques and Practices (10 wks).....	1
	Social Science Elective	3
		19

Spring Semester

BIO 132	Human Biology II	4
CHM 146	Chemistry II	4
MLT 201W	Hematology/Coagulation	4
MLT 202	Urinalysis	1
MLT 204	Fund. Phlebotomy (5 wks)	1
	Civic Education Elective	3
		17

SECOND YEAR

Fall Semester

CHM 133	Survey of Organic Chem	3
CHM 220	Intro to Instrumental Analysis	2
LIT 200W	Intro to Literature or equiv	3
MLT 207	Clinical Chemistry	5
MLT 208	Pathogenic Microbiology	3
MLT 210	Diagnostic Microbiology Lab	3
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Spring Semester

MLT 205	Immunology	3
MLT 206	Immunochemistry	3
MLT 240	Clinical Affiliation I	5
MLT 241	Clinical Affiliation II	4
MLT 242	Clinical Affiliation III.....	2
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GRADUATION REQUIREMENTS: 72 CREDITS

For important general information regarding Health Science curricula, see pages 11 and 23.