

MEDICAL LABORATORY TECHNICIAN

Associate in Science

Career/Technical (Major Code: 02385)

A medical laboratory technician performs routine clinical laboratory testing procedures to provide scientific information needed in diagnosis, management, and treatment of disease. Technicians use sophisticated instrumentation for these evaluations which encompass quantitative and qualitative chemical and biological analyses of body fluid specimens. Technicians function under the supervision of a qualified practitioner. The program prepares students for a career in Medical Laboratory Technology through the studies in humanities, social and natural sciences, and the field of Medical Laboratory Technology. Emphasis is placed on the clinical practice in the context of laboratory medicine. Graduates are eligible to take a nationally recognized certification examination.

Program Student Learning Outcomes

- Ability to articulate professionally and competently with all stakeholders in the healthcare setting regarding patient care.
- Analyze and evaluate medical laboratory science theory to achieve a minimum passing score of 400 on the American Society for Clinical Pathology (ASCP) board of certification exam.

Code	Title	Units
Prerequisites		
BIOL 260	HUMAN ANATOMY	4
BIOL 261	PRINCIPLES OF HUMAN PHYSIOLOGY	4
BIOL 265	GENERAL MICROBIOLOGY	4
CHEM 100	INTRODUCTION TO GENERAL CHEMISTRY	4
CHEM 110	ELEMENTARY ORGANIC AND BIOLOGICAL CHEMISTRY	4
ENGL C1000	ACADEMIC READING AND WRITING	4
COMM 103	ORAL COMMUNICATION	3
or COMM C1000	INTRODUCTION TO PUBLIC SPEAKING	
or COMM 174	INTERPERSONAL COMMUNICATION	
or COMM 176	INTERCULTURAL COMMUNICATION	
STAT C1000	INTRODUCTION TO STATISTICS	4.00
or PSYC 270	STATISTICS FOR THE BEHAVIORAL SCIENCES	
or SOC 270	STATISTICS FOR THE BEHAVIORAL SCIENCES	
MATH 100 does not meet the minimum program standards. Recommend STAT C1000 for students planning to transfer.		
Total Units		31

Department Acceptance into the Medical Laboratory Technician Program

First Semester		Units
MLT 80	INTRODUCTION TO THE CLINICAL LABORATORY PROFESSION	2
MLT 90	CLINICAL URINALYSIS AND BODY FLUIDS	1
MLT 90L	CLINICAL URINALYSIS AND BODY FLUIDS LABORATORY	0.5

MLT 100	CLINICAL HEMATOLOGY	3
MLT 100L	CLINICAL HEMATOLOGY LABORATORY	1
MLT 110	CLINICAL CHEMISTRY I	3
MLT 110L	CLINICAL CHEMISTRY I LABORATORY	1
MLT 132	CLINICAL IMMUNOLOGY	1
MLT 132L	CLINICAL IMMUNOLOGY LABORATORY	0.5

Units 13

Second Semester

MLT 102	CLINICAL HEMATOLOGY, COAGULATION, URINALYSIS AND BODY FLUIDS PRACTICUM	3
MLT 111	CLINICAL CHEMISTRY II	3
MLT 111L	CLINICAL CHEMISTRY II LABORATORY	1
MLT 120	CLINICAL MICROBIOLOGY	3
MLT 120L	CLINICAL MICROBIOLOGY LABORATORY	1

SUMMER

MLT 112	CLINICAL CHEMISTRY PRACTICUM	3
MLT 130	CLINICAL IMMUNOHEMATOLOGY	3
MLT 130L	CLINICAL IMMUNOHEMATOLOGY LAB	1

Units 18

Third Semester

MLT 79	MLT CERTIFICATION/LICENSURE EXAMINATION PREPARATION	2
MLT 121	CLINICAL MICROBIOLOGY PRACTICUM	3
MLT 131	CLINICAL IMMUNOLOGY AND IMMUNOHEMATOLOGY PRACTICUM	3

Units 8

Total Units 39

To earn an associate degree, additional general education and graduation requirements (<http://catalog.swccd.edu/certificates-certifications-degrees-csuuc-requirements/>) must be completed.

How to Apply

Applicants must be eligible for admission to the College. In addition to the College application, a special application for the program is required. Program information and application forms are available on the Medical Laboratory Technology (<https://www.swccd.edu/locations/higher-education-center-at-national-city/programs/medical-lab-tech-program/>) website. Applications will be accepted after prerequisite courses and other requirements are met. Students accepted into the Medical Laboratory Technician program are subject to further screening to determine eligibility to be admitted into the program.

Special Instructions

Students enrolled in the Medical Laboratory Technician program are required to provide their own transportation to off-campus clinical agencies. A fee for malpractice insurance is charged for each year of the program, as well as a minimal fee for supplies. Students are also responsible for purchasing certain supplies. CPR certification: students are required to be certified by the American Heart Association (AHA) prior to admission and to maintain certification throughout the program. Phlebotomy skills: students must be California licensed phlebotomists (CPT-I or II) prior to admission and maintain an active license throughout the program.

A grade of "C" or better is required in all Medical Laboratory Technician courses for progression and satisfactory completion. Progress in the

Medical Laboratory Technician program is dependent upon completion of Medical Laboratory Technician courses in the prescribed sequence as outlined for the program. Students will not be permitted to progress to the next semester until previous semester Medical Laboratory Technician courses are successfully completed.

Medical Laboratory Technology—Associate in Science

In order to apply to the Medical Laboratory Technician program, applicants must document completion of the following:

- Basic science and Math prerequisites (see below) must be completed with a cumulative GPA of 2.7 or higher. Evaluated foreign transcripts not submitted at time of application may not be used to meet program or graduation requirements. Required science courses taken at Southwestern College have prerequisites including college-level biology, chemistry, and math courses.

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BIOL 265	GENERAL MICROBIOLOGY	4
CHEM 100	INTRODUCTION TO GENERAL CHEMISTRY	4
CHEM 110	ELEMENTARY ORGANIC AND BIOLOGICAL CHEMISTRY	4

- Graduation from a U.S. high school or satisfactory score on the GED or evidence of other high school equivalency certificate or a degree from a U.S. accredited institution.
- College-level reading ability as evidenced by earning a "C" or better in ENGL C1000 or equivalent reading course; equivalency documented by approved petition or college transcript showing an earned associate or bachelor's degree from a U.S. accredited institution.
- MATH 100 does not meet the minimum program standards. Recommend STAT C1000 for students planning to transfer.

Students who are accepted into the program must meet the following conditions:

- Attend a scheduled class orientation.
- Submit a completed physical examination form with evidence of required immunizations (Hepatitis B, MMR, Varicella, etc.) and tuberculosis screening.
- CPR certification (BLS certification from American Heart Association)

Accepted students are required to complete an online background check and drug screening. The background check and drug screening are mandated by the policies of the hospitals/clinical sites for all health occupation programs faculty and students. Anyone with background check issues (includes misdemeanors and felonies) may not be eligible for the program. Many of the hospital systems are now refusing to take students with any background check issues. Each student situation will be evaluated as they complete the background check. The student must provide a urine sample for drug testing per hospital request.

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