

MEDICAL LABORATORY TECHNOLOGY

pcc.edu/programs/medical-lab/

CAREER AND PROGRAM DESCRIPTION

A medical laboratory technician performs routine clinical laboratory testing procedures to provide scientific information needed in diagnosis, prognosis and treatment of disease. Technicians use sophisticated instrumentation for these evaluations, which encompass quantitative and qualitative chemical and biological analyses of body specimens. Technicians function under the supervision of a qualified practitioner. The local metropolitan area offers very good employment opportunities and jobs are readily available in smaller communities throughout the country. Opportunities are available in hospitals, independent laboratories, research and industry for graduates of the program.

To successfully participate in the MLT Program and become employable, the student must be able to perform essential functions expected of the profession. Examples of essential functions for the MLT are communication, vision, manual dexterity, physical activity, analytical skills and technical aptitude.

Students are prepared to perform routine clinical laboratory tests under the supervision of a pathologist, medical technologist or physician. The program combines on-campus instruction in fundamental principles with clinical experiences gained through rotation in clinical laboratories. The clinical laboratories affiliated with the MLT Program include Adventist Medical Center, Kaiser Permanente, Legacy Health System, Oregon Health and Sciences University, Providence Health System and Willamette Valley Medical Center.

Due to on-campus laboratory space and clinical site restrictions the MLT Program has limited enrollment. Applications are accepted once a year for fall entry. The MLT program is competitive and applications are evaluated on a point system. Eligibility for entry into the program is based on successful completion of college courses in biology, chemistry, writing, mathematics and an introductory MLT course. It is strongly recommended that applicants have strong oral communication skills as well. Contact Allied Health Admissions for information on eligibility.

Students in the MLT Program must successfully complete all coursework with a C or better in order to progress in the program. Upon graduation, students are eligible to sit for a national exam to become a certified medical laboratory technician.

The Medical Laboratory Technology Program is accredited by: National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
5600 N. River Rd., Suite 720
Rosemont, IL 60018
773-714-8880

DEGREES AND CERTIFICATES OFFERED

ASSOCIATE OF APPLIED SCIENCE DEGREE

Medical Laboratory Technology

Academic Prerequisites

- Completion of WR 121, equivalent or higher with a "C" or "P" or better.
- Completion of MTH 95, equivalent or higher with a "C" or "P" or better.
- Completion within the last 7 years of a Biology series (BI 121/122 or BI 231/232/233 or BI 211/212/213 or equivalent or higher) with a "C" or "P" or better.

- Completion within the last 7 years of a Chemistry series (CH 104/105/106 or CH 221/222/223 or equivalent or higher) with a "C" or "P" or better.
- Completion within the last 2 years of MLT 110 or equivalent with a "C" or "P" or better.
- This is a limited entry program. Students planning to enroll in the MLT Program should contact the Allied Health Admissions Office for specific eligibility requirements.

Academic Requirements

- MLT 110: Introduction to Medical Laboratory Technology is open for all students to enroll. All other MLT courses require students to be admitted into the Medical Laboratory Technology Program through the formal application process.
- Students in the MLT Program must:
 - Earn a letter grade "C" or higher for all courses with an MLT prefix.

Non-Academic Prerequisites

- Completion and submission of program application by the due date.
- Participation in a department orientation session.

Non-Academic Requirements

- Students are required to have a health assessment completed by a health provider, before initiating clinical laboratory practice, to confirm health status and ability to perform essential functions required from an MLT. In addition, students are required to complete immunization requirements, pass a criminal background check and a urine drug screen. Contact the department office for more information.
- Students enrolled in the MLT Program will be required to use medical devices and follow safety precautions of the clinical laboratory. Students who have a health, physical or psychological problem which may affect or be affected by the use of the devices or precautions should contact the department prior to entering the program.

MEDICAL LABORATORY TECHNOLOGY AAS DEGREE

Minimum 90 credits. Students must also meet Associate Degree Comprehensive Requirements and Associate of Applied Science Requirements. Students must complete a total of four courses of General Education. Some courses specified within the program may be used as General Education. In addition to required courses in the program of study, students must satisfy MTH 58/65 competency. Students should consult with program advisors for course planning.

Course of Study

The coursework listed below is required. Unforeseen changes to the curriculum outline may occur due to program, college and clinical affiliate updates and changes. The following is an example of a term-by-term breakdown.

Course	Title	Credits
Pre-Program Requirements		
CH 106	Allied Health Chemistry III	5
MLT 110	Introduction to Medical Laboratory Technology	2
First Term		
MP 113	Healthcare Provider CPR/AED, First Aid/Bloodborne Pathogens	1
MLT 114	Laboratory Operations and Techniques	4
MLT 115	Clinical Laboratory Mathematics	2
MLT 251	Hematology I	4
General Education		

Second Term		
MLT 241	Immunohematology I	4
MLT 252	Hematology II	4
MLT 261	Clinical Microbiology I	5
Third Term		
MLT 224	Clinical Chemistry I	4
MLT 242	Immunohematology II	4
MLT 262	Clinical Microbiology II	5
Fourth Term		
MLT 225	Clinical Chemistry II	4
MLT 230	Body Fluids & Urinalysis	4
MLT 253	Hemostasis	2
MLT 266	Immunology and Infectious Serology	2
General Education		
Fifth Term		
MLT 273	Clinical Laboratory Practice I	9
MLT 282	Clinical Seminar I	2
General Education		
Sixth Term		
MLT 274	Clinical Laboratory Practice II	9
MLT 283	Clinical Seminar II	2
General Education		
Total Credits		90