

Medical Laboratory Technician A.A.S.

In cooperation with Reading Area Community College

The Medical Laboratory Technician Associate Degree program, through an agreement with Reading Area Community College, is accredited by the National Accrediting Agency for Clinical Laboratory Science (NAACLS).

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This program is intended primarily to educate technicians for work in clinical, diagnostic laboratories. Medical Laboratory Technicians perform tests under the direction of a physician who specializes in diagnosing the causes and nature of disease. Medical Laboratory Technicians also work under the supervision of scientists doing research on new drugs or the improvement of laboratory techniques. Graduates may seek employment with hospitals, independent laboratories, physicians, clinics, public health agencies, pharmaceutical firms, research institutions and industrial laboratories.

The student from Lehigh Carbon Community College who has successfully completed specific general education requirements at LCCC and specific program requirements at RACC may be granted sophomore-level standing and admission to the Medical Laboratory Technician Program per stated selective admission requirements at Reading Area Community College. The student must see advisor or transfer counselor.

Reading Area Community College (RACC) will accept and grant credit for Lehigh Carbon Community College's courses that are listed as equivalent if the student has completed the course with a grade of "C" or higher.

Program Competencies:

- Follow established procedures for collection and processing biological specimens for analysis and perform assigned analytical tests or procedures.
- Recognize factors that affect measurements and results and take appropriate action according to predetermined protocols; recognize abnormal results, correlate them with disease processes, and refer them to designated supervisory personnel.
- Operate instruments within the scope of training utilizing established protocols and quality control checks, recognizing equipment malfunctions and notifying supervisory personnel when appropriate.
- Report information such as test results, reference range and specimen requirements to authorized sources.
- Perform routine quality control and maintain accurate records. Recognize out-of-control results and notify supervisory personnel.
- Demonstrate a professional attitude in interpersonal communication skills with patients, peers, supervisors, other health care professionals and the public.

Lehigh Carbon Community College equivalent courses to transfer:

ENG 105	Research and Composition	3
ENG 111	Speech	
or ENG 107	Writing in the Workplace	3
MAT 150	Introduction to Probability and Statistics	3
SOC 150	Introduction to Sociology	
or PSY 140	Introduction to Psychology	3
PHI 201	Introduction to Philosophy	
or PHI 205	Introduction to Ethics	3
CHE 111	General Chemistry I	3
BIO 163	Anatomy and Physiology I	4
BIO 164	Anatomy and Physiology II	4
BIO 220	Introduction to Microbiology	4
CIS 105	Introduction to Computers and Applications	3
Credit Total		33

The following courses are to be taken at RACC prior to the selective admission process:

Spring Semester

MLT 120	Basic Immunology	2
CHE 250	Organic Chemistry I (may be taken at LCCC if the student has CHE 112)	4
CHE 251	Chemistry of Biomolecules	1
HEA 220	Clinical Implications of Laboratory Tests	1
Credit Total		8

Admission into the clinical portion of the MLT program is on a selective basis. The following classes are to be taken at Reading Area Community College upon acceptance into the clinical portion of the Medical Laboratory Technician Program.

Fall Semester

MLT 110	Introduction to the Clinical Lab (may be waived)	1
CHE 260	Theory of Chemical Instrumentation	2
MLT 211	Clinical Laboratory Techniques	4
		7

Winter Interim

MLT 222	Clinical Urinalysis	1
MLT 233	Clinical Serology	1
		2

Spring Semester

MLT 220	Clinical Hematology/ Coag	5
MLT 221	Clinical Chemistry	4
MLT 230	Clinical Blood Banking and Immunology	4
MLT 231	Clinical Microbiology	4
		17
Credit Total		26

See page 17 for special program admission requirements pertaining to this program.