

Licensure

Upon successful completion of the AAS Degree MLT/CLT program, the student can take the ASCP Board of Certification Examination to be nationally certified as a Medical Laboratory Technician, MLT (ASCP).

Technical Standards (Essentials functions)

The medical/clinical laboratory technician specializes in the application of scientific knowledge and theory in the skillful performance of clinical laboratory functions. Therefore, to be considered for admission or to be retained in the program after admission, all applicants should possess:

1. Sufficient visual acuity and color perception to perform microscopic examinations, to distinguish color reactions, and to detect antigen-antibody reaction.
2. Sufficient gross and fine motor coordination to efficiently implement the skills required in performing laboratory functions.
3. Sufficient communication skills (verbal, non-verbal, and written) to interact effectively with individuals.
4. Sufficient intellectual and emotional functions to plan and implement laboratory duties in a responsible manner.

The CLT/MLT program at HCC has a 93% pass rate on the national certification exam, MLT (ASCP), for the past 5 years.

Subject to change.

06-13

Certificates Available

Phlebotomy Certificate:

MLT 101 Introduction to Clinical Laboratory
PHB 151 Phlebotomy for the Healthcare Worker

PHB 152 Phlebotomy Clinicals OR

PHB 170 Applied Phlebotomy

PHB 152 Phlebotomy Clinicals

Physician's Office Laboratory Certificate:

MLT 101 Introduction to Clinical Laboratory

MLT 112 Urinalysis

MLT 125 Serology

PHB 151 Phlebotomy for the Healthcare Worker

PHB 152 Phlebotomy Clinicals

The MLT/CLT Program at Henderson Community College is NAACLS accredited.

NAACLS

National Accrediting Agency for Clinical Laboratory Sciences

5600 N. River Rd., Suite 720

Rosemont, IL 60018

Phone: 773-714-8880

FAX: 773-714-8886

Web Page: <http://www.naacls.org>

Email: info@naacls.org

The certificates are KCTCS certificates and are not accredited by NAACLS.

For more information contact:

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Community College

HIGHER EDUCATION BEGINS HERE

**Medical/
Clinical
Laboratory
Technician
Program**



2660 South Green Street
Henderson, KY 42420
(270) 827-1867
henderson.kctcs.edu

Medical/Clinical Laboratory Technician Program

Medical/Clinical Laboratory Technicians are health professionals skilled in both the theory and practice of clinical laboratory procedures that provide data which physicians use to determine the absence, presence, extent, and cause of disease. This program provides students with the background to perform microbiological, cellular, and chemical analyses on various body fluids.

Mission Statement

The primary mission of the MLT/CLT program is to prepare the student at entry-level competencies for gainful employment as a medical laboratory technician. Integral to this purpose is assisting students in the development of the technical skills and knowledge necessary to perform in the clinical laboratory.

Program Goals and Competencies AAS in MLT

Upon completion of the Medical/Clinical Laboratory Technician Program, the graduate should be able to:

- *Perform laboratory tests in all areas of the clinical laboratory.
- *Maintain laboratory materials and equipment.
- *Prevent and detect technical errors.
- *Solve problems as they occur in the clinical laboratory.
- *Carry out an established quality assurance program.
- *Demonstrate professionalism.
- *Follow established clinical laboratory safety guidelines.
- *Demonstrate responsibility for his/her own behavior and dependability towards required duties.
- *Follow all institutional policies.
- *Apply the principles of medical ethics.
- *Demonstrate professionalism.
- *Demonstrate a satisfactory working relationship with peers and clinical instructors.
- *Exhibit enthusiasm and initiative towards all subject areas.
- *Recognize his or her own limitations and seek help when necessary.

Course of Study

Students are admitted into the MLT/CLT Program in the fall of each year. Upon successful completion of the MLT/CLT program the graduate is awarded an Associate of Applied Science degree.

First Year Curriculum

First Semester		Total 15 hours
ENG 101	Writing 1	3
BIO 135	Anatomy & Physiology	4
MLT 101	Intro to Clinical Lab	3
PHB 151	Phlebotomy	1
PHB 152	Phlebotomy Clinical	1
MAT 110	Math	3

Second Semester		Total 17-18 hours
BIO 225	Medical Microbiology	4
MLT 112	Urinalysis	2
MLT 125	Serology	2
CHE 130/140	Gen. Chemistry	3-4
CIT 105	Introduction to Computing	3
PSY 110	General Psychology	3

Summer Session		Total 6 hours
Humanities		3
Communications		3

Second Year Curriculum

First Semester		Total 16 hours
MLT 205	Clinical Microbiology I	3
MLT 215	Hematology I	4
MLT 225	Immunohematology	2
MLT 233	Clinical Chemistry I	3
MLT 278	Practicum I	4

Second Semester		Total 13 hours
MLT 206	Clinical Microbiology II	2
MLT 216	Hematology II	3
MLT 226	Immunohematology II	2
MLT 234	Clinical Chemistry II	2
MLT 279	Practicum II	4
		Total 67-68 hours

Note: A grade of "C" or better is required for all core CLT and Phlebotomy classes for successful progression and graduation.

Admission Requirements

Admission to the CLT/MLT program at HCC is based on open enrollment for the first year classes. This allows a student to pursue a phlebotomy certificate and Physician Office Laboratory certificate prior to entry into the program for the second year courses. Admission criteria for the first year classes are based on the following college requirements. Detailed general admission guidelines are available in the online KCTCS catalog and on the HCC website at <http://henderson.kctcs.edu/Admissions>.

- *Submit a completed application to the college.
- *Submit high school or GED transcripts.
- *Submit ACT or equivalent scores.
- *Submit transcripts of all post-secondary education.
- *Schedule an appointment with advisor.

In addition, specific criteria are required for students performing any clinical experience class such as PHB 152, CLT 280 (MLT 278), and CLT 290 (MLT 279) as follows:

- *Complete Technical Standards form. (Essential functions)
- *Signed CLT/MLT advisory conference form.
- *Health exam to include verification of MMR, Tuberculin skin test, up to date tetanus, and drug screen, proof of chicken pox or varicella vaccination or signed waiver of declination.
- *Color-blindness test done on campus.
- *Hepatitis B vaccinations or signed waiver of declination.
- *Criminal background check.
- *Proof of Professional Liability Insurance

Admission to the CLT/MLT program occurs when the student begins second year classes. Requirements include all of those listed above plus:

- *An earned grade of "C" or above in all CLT/MLT and PHB classes
- *Attendance at a CLT/MLT Program Information Conference
- *Signed acceptance of MLT/CLT Program Admission Conference Form
- *Any required updates to the clinical experience forms