

Associate of Applied Science Medical Laboratory Technology



Mountain Empire
Community College

PURPOSE: Graduates of the Medical Laboratory Technology program are able to perform and evaluate a wide variety of procedures ranging from blood collection to the use of intricate precision instruments. After successful completion of the program, graduates are eligible to take a national certifying examination for registration as a Medical Laboratory Technician.

This program is being provided through an innovative, cooperative arrangement with Wytheville Community College. Students will register at MECC for their general education course requirements and register through WCC for their program courses. However, all course offerings and clinicals will be provided on the MECC campus and at local healthcare facilities. The AAS degree will be awarded by Wytheville Community College. WCC's program is fully approved by the State Council of Higher Education and the National Accrediting Agency of Clinical Laboratory Sciences (NAACLS).

First Year

Fall Semester				
	BIO	141	Human Anatomy & Physiology I	4
	CHM	111	College Chemistry I	4
	MDL	101	Intro to Med Lab Techniques	3
	MDL	127	Hematology	3
	SDV	100	College Success Skills	1

Spring Semester				
	BIO	142	Human Anatomy and Physiology II	4
	ENG	111	College Composition I	3
	MDL	126	Clinical Immunohematology/Immun I	4
	MDL	130	Basic Clinical Microbiology	3
	MDL	261	Clinical Chemistry & Instrumentation I	4

Summer Semester				
			Humanities/Fine Arts Elective	3
			Social/Behavioral Science Elective	3
	MDL	199	Coordinated Practice in the Clinical Lab	2
	BIO	150	Intro to Microbiology	4

Second Year

Fall Semester				
	MDL	190	Coordinated Practice	2
	MDL	225	Clinical Hematology II	3
	MDL	240	Clinical Microscopy II	2
	MDL	252	Clinical Microbiology II	3
	MDL	262	Clinical Chemistry & Instrumentation II	4

Spring Semester				
	MDL	227	Clinical Immunohematology/Immun II	3
	MDL	263	Clinical Chemistry & Instrumentation III	3
	MDL	275	Clinical Hematology III	3
	MDL	279	Clinical Microbiology III	2
	MDL	290	Coordinated Practice	2
Total Minimum Credits for Degree				72

SPECIAL CONSIDERATIONS: The medical laboratory technician curriculum is an academically rigorous program, but one having the potential to provide a rewarding career for participants. Admission to the program will be governed by the requirements for general admission to the colleges. Additionally, to enter the program, the student must have a high school diploma or the equivalent. The student must have completed with a grade of "C" or better in high school: one unit of Algebra, one unit of Chemistry, and one unit of Biology. The student must also be eligible to enroll in ENG 111 in their first Fall semester of admission to the program. Students may enroll in MECC's developmental coursework if they do not meet these requirements. Student presenting evidence of meeting these requirements will be admitted to the program by WCC biennially. MECC has been allocated ten admission slots. Because entry into this program is competitive, students must complete the application process with the Admissions Office at WCC by no later than February 15.

PROGRAM REQUIREMENTS: Upon admission to the Medical Laboratory Technician program, the following are necessary:

- The student must have a complete medical examination which must include a tuberculin skin test (not more than one year old), a profile of medical condition, designated immunizations, and documentation of HBV status. A chest x-ray is required only if the tuberculin test is positive.
- A minimum grade of "C" must be maintained in each Medical Laboratory course. A student receiving a final grade lower than "C" in any course in the medical laboratory sequence will be ineligible to continue in the program. Contact the program head for readmission requirements.
- The student will be required to secure student professional liability insurance.
- Clinical experience will be provided in affiliated hospitals or laboratories. Each student will be responsible for transportation to and from the sites and must also secure the required uniforms and dress code requirements.

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