

Division of Applied Science & Technology

Associate of Applied Science Degree – Medical Laboratory Technology

Program Description

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).

Opportunities for Employment

Opportunities for MLTs include employment at hospital clinical laboratories, reference and industrial laboratories, pharmaceutical firms, independent clinical laboratories, service agencies, physicians' offices, clinics, government agencies, research institutions and the armed forces.

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

PROGRAM OF STUDY

FIRST YEAR FALL				
<i>Course #</i>		<i>Course Title</i>	<i>Credit</i>	<i>Progress</i>
BIO	141	Human Anatomy & Physiology I	4	
CHM	111	College Chemistry I	4	
MDL	101	Introduction to Medical Lab Techniques	3	
MDL	127	Hematology	3	
SDV	100	College Success Skills	1	
FIRST YEAR SPRING				
BIO	142	Human Anatomy and Physiology II	4	
ENG	111	College Composition I	3	
MDL	126	Clinical Immunohematology/ Immunology I	4	
MDL	130	Basic Clinical Microbiology	3	
MDL	261	Clinical Chemistry & Instrumentation I	4	
SECOND YEAR SUMMER				
		Humanities/Fine Arts Elective	3	
		Social/Behavioral Science Elective	3	
MDL	199	Coordinated Practice in the Clinical Lab	2	
BIO	150	Introduction to Microbiology	4	
SECOND YEAR FALL				
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	
SECOND YEAR SPRING				
MDL	227	Clinical Immunohematology/Immunology II	3	
MDL	263	Clinical Chemistry & Instrumentation	3	
MDL	275	Clinical Hematology III	3	
MDL	279	Clinical Microbiology III	2	
MDL	290	Coordinated Practice	2	
Total Minimum Credits for Degree			72	

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.

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.

For Further Information Contact:

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