

## MEDICAL LABORATORY TECHNOLOGY - BIOTECHNOLOGY CERTIFICATE

### PROGRAM OVERVIEW

Stacey Rohrbaugh, *Program Director*  
 srohrbaugh@allegany.edu  
 Allied Health 249  
 301-784-5547

This certificate program provides MLT graduates or Baccalaureate degree science graduates the opportunity to retrain in new biotechnology techniques. Certificate completion will increase employment marketability by diversifying scientific skills to include genetic and environmental testing.

The Medical Laboratory Technology program at Allegany College of Maryland has been designated as a Health Manpower Shortage Program. The Maryland State Department of Health and Mental Hygiene has determined certain health occupations in the state to be in short supply. The Maryland Higher Education Commission has designated educational programs that correspond to these health occupations to be eligible for the Health Manpower Shortage Program. Maryland residents from counties other than Allegany County who register in this eligible program will be charged the out-of-county tuition rate. However, these students may be eligible to receive reimbursement for a portion of the cost difference between the in-county and out-of-county tuition rates. Funding availability for this program is based on funding from the State of Maryland and is thus subject to change each semester. Some restrictions apply. More information can be obtained by contacting the Admissions Office.

Successful completion of this program qualifies a student to apply for a Certificate in Biotechnology.

This program is NOT eligible for Student Financial Aid.

### COURSE REQUIREMENTS

#### REQUIRED MLT COURSES

MLT-104	Applied Immunology
MLT-206	Biotechnology
MLT-220	Biotechnology Internship
<i>*MLT-220 - This course is not required but is offered to give the student the option for biotechnology work related experience.</i>	

#### REQUIRED GENERAL COURSES

BIO-220	Essentials of Cell Biology and Genetics
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#### REQUIRED ELECTIVE COURSES

Please consult with your advisor or the Advising Center staff for selecting appropriate elective courses for graduation.

**Biological Science Elective - 3 credits**

### PROGRAM PATH

**MEDICAL LABORATORY TECHNOLOGY –  
 BIOTECHNOLOGY CERTIFICATE  
 ONE-YEAR CAREER PROGRAM  
 PREPARATION FOR EMPLOYMENT**

#### FIRST SEMESTER

Biological Science Elective <sup>1</sup>	<u>Credit Hours</u>
Medical Laboratory Technology 206 (Biotechnology)	3
Total:	4
	7

#### SECOND SEMESTER

Biological Science 220 Essentials of Cell Biology and Genetics)	4
Medical Laboratory Technology 104 (Applied Immunology)	3
Total:	7

**Total Credit Hours: 14**

**OPTIONAL SUMMER SESSION (following second semester)**

Medical Laboratory Technology 220 (Biotechnology Internship)

*(This course is not required but is offered to give the student the option for biotechnology work related experience.)*

Credit Hours

11

Total:

11

**Total Credit Hours:**

**11**

<sup>1</sup> *Environmental Science Elective is highly recommended.*

*NOTE: All courses specifically identified by course number are graduation requirements for this program.*