

# MEDICAL LABORATORY TECHNOLOGY, A.S.

**Begin Campus:** Hazleton, Schuylkill

**End Campus:** Hazleton

## Degree Requirements

**For the Associate in Science degree in Medical Laboratory Technology, a minimum of 72 credits is required:**

Requirement	Credits
General Education	21
Requirements for the Major	63-65

**12 of the 21 credits for General Education are included in the Requirements for the Major. This includes: 3 credits of GWS courses; 6 credits of GN courses; 3 credits of GQ courses.**

Scheduling of courses in summer session depends on campus location.

## Requirements for the Major

To graduate, a student enrolled in the major must earn a grade of C or better in each course designated by the major as a C-required course, as specified by Senate Policy 82-44 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

Code	Title	Credits
<b>Prescribed Courses</b>		
CAS 100	Effective Speech	3
CHEM 110	Chemical Principles I	3
CHEM 111	Experimental Chemistry I	1
CHEM 202	Fundamentals of Organic Chemistry I	3
ENGL 15	Rhetoric and Composition	3
MICRB 201	Introductory Microbiology	3
MICRB 202	Introductory Microbiology Laboratory	2
<i>Prescribed Courses: Require a grade of C or better</i>		
MICRB 150	Introductory Medical Laboratory Technology	4
MICRB 151A	Clinical Chemistry for Medical Laboratory Technicians	5
MICRB 151B	Hematology for Medical Laboratory Technicians	5
MICRB 151C	Immunohematology and Serology for Medical Laboratory Technicians	4
MICRB 151D	Clinical Chemistry Practicum	2
MICRB 151E	Hematology Practicum	2
MICRB 151F	Immunohematology Practicum	2
MICRB 151G	Clinical Microbiology and Body Fluids Practicum	2
MICRB 151W	Clinical Microbiology and Body Fluid Analysis for Medical Laboratory Technicians	5
<b>Additional Courses</b>		
CMPSC 100 or MIS 103	Computer Fundamentals and Applications Microcomputer Applications in Business	3
Select 8 credits from:		8

BIOL 110 & BIOL 240W	Biology: Basic Concepts and Biodiversity and Biology: Function and Development of Organisms	
BIOL 161 & BIOL 162 & BIOL 163 & BIOL 164	Human Anatomy and Physiology I - Lecture and Human Anatomy and Physiology I - Laboratory and Human Anatomy and Physiology II - Lecture and Human Anatomy and Physiology II - Laboratory	
Select 3-5 credits from:		3-5
MATH 21	College Algebra with Analytic Geometry with Applications I	
MATH 22	College Algebra With Analytic Geometry and Applications II	
MATH 26	Plane Trigonometry and Applications of Trigonometry	
MATH 40	Algebra, Trigonometry, and Analytic Geometry	
MATH 81	Technical Mathematics I	
MATH 110	Techniques of Calculus I	
MATH 140	Calculus With Analytic Geometry I	
STAT 200	Elementary Statistics	
STAT 250	Introduction to Biostatistics	

## General Education

Connecting career and curiosity, the General Education curriculum provides the opportunity for students to acquire transferable skills necessary to be successful in the future and to thrive while living in interconnected contexts. General Education aids students in developing intellectual curiosity, a strengthened ability to think, and a deeper sense of aesthetic appreciation. These are requirements for all associate degree students and are often partially incorporated into the requirements of a program. For additional information, see the General Education Requirements (<https://bulletins.psu.edu/undergraduate/general-education/associate-degree-general-education-program/>) section of the Bulletin and consult your academic adviser.

The keystone symbol appears next to the title of any course that is designated as a General Education course. Program requirements may also satisfy General Education requirements and vary for each program.

## Foundations (grade of C or better is required and Inter-Domain courses do not meet this requirement.)

- **Quantification (GQ):** 3 credits
- **Writing and Speaking (GWS):** 3 credits

## Knowledge Domains

- **Arts (GA):** 3 credits
- **Humanities (GH):** 3 credits
- **Social and Behavioral Sciences (GS):** 3 credits
- **Natural Sciences (GN):** 3 credits

**Note:** Up to six credits of Inter-Domain courses may be used for any Knowledge Domain requirement, but when a course may be used to satisfy more than one requirement, the credits from the course can be counted only once.

## Exploration

- **Any General Education course (including GHW and Inter-Domain):** 3 credits

## **University Degree Requirements**

### **Cultures Requirement**

3 credits of United States (US) or International (IL) cultures coursework are required and may satisfy other requirements

### **Writing Across the Curriculum**

3 credits required from the college of graduation and likely prescribed as part of major requirements.

### **Total Minimum Credits**

A minimum of 60 degree credits must be earned for a associates degree. The requirements for some programs may exceed 60 credits. Students should consult with their college or department adviser for information on specific credit requirements.

### **Quality of Work**

Candidates must complete the degree requirements for their major and earn at least a 2.00 grade-point average for all courses completed within their degree program.

### **Limitations on Source and Time for Credit Acquisition**

Credit used toward degree programs may need to be earned from a particular source or within time constraints (see Senate Policy 83-80 (<https://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#83-80>)). For more information, check the Suggested Academic Plan for your intended program.