

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 (<http://senate.psu.edu/policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/#82-44>).

| Code | Title | Credits |
|---|--|---------|
| Prescribed Courses | | |
| 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 |

Additional Courses

| | | |
|-------------------------|--|---|
| 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 I | |
| MATH 22 | College Algebra II and Analytic Geometry | |
| MATH 26 | Plane 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.)

- **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 is used to satisfy more than one requirement, the credits from the course can be counted only once.

Foundations or Knowledge Domains

- **Any General Education course:** 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 (<http://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.