

# Medical Laboratory Technology

The Medical Laboratory Technology Program is designed to prepare students for a career as a medical laboratory technician. Medical laboratory professionals perform laboratory analysis on body fluid samples which provide physicians with data and information used in the assessment of a patient's health status. Medical Laboratory Technology professionals work in all the departments of the clinical laboratory including the areas of clinical chemistry, hematology, blood bank transfusion services, immunology and microbiology using the principles of chemistry, physiology, cell and molecular biology. For more information on a career in laboratory science visit [www.labscience.org](http://www.labscience.org) and [www.ascls.org](http://www.ascls.org).

The Medical Laboratory Technology Program, a NACCLS accredited program of study, is a cooperative program in conjunction with Mercer County Community College. The Medical Laboratory Technology Program is offered in two (2) phases. The pre-professional phase, first year of study, includes courses in general education, mathematics, and sciences offered here at Atlantic Cape. The second phase or the professional phase, which includes the clinical experiences, is conducted in a streamlined hybrid format at/with Mercer County Community College and laboratories located in the Mercer, Atlantic, and Cape May county area.

Upon completion of the pre-requisite courses here at Atlantic Cape, students apply to Mercer County Community College for admittance to the professional phase of the program. Students must complete all pre-professional phase course work\* with a grade of "C" or better, with no more than two attempts per course, to be considered for the professional phase of the program. The professional phase of the program begins each year at the end of May, is 14 months in duration, and is scheduled as full-time daytime classes with a structured progression of courses in the curriculum.

For additional information, please contact Myrna Morales Keklak, at (609) 343-5033 or [mkeklak@atlantic.edu](mailto:mkeklak@atlantic.edu). For questions about the professional phase of the program please contact Lisa M. Shave, Mercer County Community College, at (609) 570-3387 or [shavel@mccc.edu](mailto:shavel@mccc.edu).

\* A 10-year expiration date for general education courses (English, Chemistry, Math, etc.) and a 5-year expiration for science courses (BIOL220, BIOL221, and BIOL250) will be enforced.

## Medical Laboratory Technology Degrees and Certificates

### Medical Laboratory Technology, Associate in Applied Science

The Atlantic Cape Community College Medical Laboratory Technology (MLT) program is offered in collaboration with Mercer County Community College. Students complete the general education and program courses (pre-professional phase) at Atlantic Cape. Upon acceptance, students will complete the professional phase of the program at Mercer County Community College and laboratories located in Atlantic and Cape May County.

The professional phase of the program, conducted by Mercer County Community College, requires a separate application and an overall GPA of 2.5 or above. Students must complete all Atlantic Cape coursework with a "C" or better with a maximum of two attempts per course to be considered for the professional phase of the program. For this degree, all English and general education courses expire after 10 years. All science courses expire after 5 years.

For additional information, please contact Myrna Morales Keklak, at (609) 343-5033 or [mkeklak@atlanticcape.edu](mailto:mkeklak@atlanticcape.edu). For questions about the Professional Phase of the program please contact Lisa M. Shave, Mercer County Community College, at (609) 570-3387 or [shavel@mccc.edu](mailto:shavel@mccc.edu).

#### **Upon completion of this program students will be able to:**

- Integrate knowledge learned and experienced in the disciplines of general education, mathematics, science, and medical laboratory science;
- Exhibit working knowledge of the principles and procedures applied in the clinical laboratory setting by testing biological samples using current technology to generate accurate, quality-assured laboratory results used for health and disease evaluations;
- Use problem-solving skills to integrate laboratory data for patient diagnosis;
- Complete the program and pass the national ASCP certification exam;
- Be familiar with the profession's code of ethics and consistently act within those standards during interactions with fellow classmates and working professionals in the clinical setting;

- Describe the importance of continuing education in lifelong learning and in obtaining and maintaining professional credentialing.

(MLTC-Fall 2022)

## Pre-Professional Phase

### General Education Courses – 32 credits

When a course is not specified, refer to the list of approved General Education courses.

#### Communication

| Course # | Title           | Credits |
|----------|-----------------|---------|
| COMM120  | Public Speaking | 3       |
| ENGL101  | Composition I   | 3       |
| ENGL102  | Composition II  | 3       |

#### Mathematics-Science-Technology

| Course # | Title   | Credits |
|----------|---|---------|
| BIOL220  | Human Anatomy and Physiology I  | 4       |
| BIOL221  | Human Anatomy and Physiology II   | 4       |
| BIOL250  | Microbiology  | 4       |
| CHEM110  | General Chemistry I   | 4       |
|          | Choose: MATH122-College Algebra, MATH150-Precalculus or MATH220-Statistical Methods (4 credits) | 4       |

#### Social Science

| Course # | Title              | Credits |
|----------|--------------------|---------|
| PSYC101  | General Psychology | 3       |

#### Atlantic Cape Program Course

| Course # | Title                             | Credits |
|----------|-----------------------------------|---------|
| HESC110  | Comprehensive Medical Terminology | 3       |

### Professional Phase - 31 credits

#### Mercer Medical Laboratory Technology Courses

All professional coursework is completed at Mercer County Community College and laboratories located in Atlantic and Cape May counties.

# Technological Competency: 0-4 Credits

(Is fulfilled with CISM125, CISM132, testing or reviewed departmental portfolio.)

Total Credits

66

---

## Recommended Sequence of Courses

### First Year - Atlantic Cape Coursework - Summer

| Course # | Title               | Credits |
|----------|---------------------|---------|
| CHEM110  | General Chemistry I | 4       |

---

### First Semester - Fall

| Course # | Title  | Credits |
|----------|--|---------|
| HESC110  | Comprehensive Medical Terminology  | 3       |
| BIOL220  | Human Anatomy and Physiology I   | 4       |
| ENGL101  | Composition I  | 3       |
| PSYC101  | General Psychology   | 3       |
|          | Choose: MATH122-College Algebra, MATH150-Precalculus or<br>MATH220-Statistical Methods (4 credits) | 4       |

---

### Second Semester - Spring

| Course # | Title                           | Credits |
|----------|---------------------------------|---------|
| COMM120  | Public Speaking                 | 3       |
| ENGL102  | Composition II                  | 3       |
| BIOL221  | Human Anatomy and Physiology II | 4       |
| BIOL250  | Microbiology                    | 4       |

---