



# MEDICAL LABORATORY TECHNOLOGY, ASSOCIATE OF SCIENCE

**Program Code:** 2505

**Career Pathway:** Science, Technology, Engineering, and Math

**Location(s):** Most courses for this program are offered at all BC locations. Specialized courses are offered at Central Campus. (<https://www.broward.edu/about/locations/>)

**Program Entrance Requirements:** Students **must** be graduates from Marion Technical College, Erwin Technical Center (College), Sheridan Technical College or a similar Medical Laboratory Technology program with an Advanced Technology Diploma (ATD).

**Program Description:** The Medical Technology Associate of Science degree program was developed specifically to enable Medical Laboratory Technician Certificate/Advanced Technology Diploma (ATD) graduates to continue their education and qualify for higher level positions in the clinical laboratory field or higher degrees such as the bachelor's degree. AS program graduates will be able to work with less direct supervision and perform more difficult procedures than would be expected of an ATD graduate. They will be eligible to take state and national certifying exams that require education above the ATD level.

Course	Title	Credits
ENC1101	COMPOSITION I	3.00
MAC1105C or MAC1105	COREQUISITE COLLEGE ALGEBRA <sup>1</sup> COLLEGE ALGEBRA	3.00
CHM1045	GENERAL CHEMISTRY I	3.00
CHM1045L	GENERAL CHEMISTRY I LAB	1.00
CHM1046	GENERAL CHEMISTRY II	3.00
CHM1046L	GENERAL CHEMISTRY II LAB	1.00
BSC2010L	INTRODUCTION TO BIOLOGY I LABORATORY	1.00
Elective	Elective Course <sup>2</sup>	3.00
GE Course	General Education Humanities Core	3.00
GE Course	General Education Speech	3.00
AMH2020 or POS2041	HISTORY OF THE UNITED STATES SINCE 1877 NATIONAL GOVERNMENT	3.00
Electives	Elective Courses	9.00
<b>ATD Courses</b>		
MLT1022	INTRODUCTION TO MEDICAL TECHNOLOGY	2.00
MLT1022L	INTRODUCTION TO MEDICAL TECHNOLOGY LAB	1.00
MLT1040	PHLEBOTOMY	1.00
MLT1044L	PHLEBOTOMY CLINICAL	1.00
MLT2362	HEMATOLOGY AND BODY FLUID ANALYSIS	4.00
MLT2362L	HEMATOLOGY AND BODY FLUID ANALYSIS LAB	2.00
MLT2400	MEDICAL MICROBIOLOGY	4.00
MLT2400L	MEDICAL MICROBIOLOGY LABORATORY	3.00
MLT2530	IMMUNOLOGY/IMMUNOHEMATOLOGY	4.00
MLT2530L	IMMUNOLOGY/IMMUNOHEMATOLOGY LAB	2.00
MLT2807L	IMMUNOHEMATOLOGY CLINICAL PRACTICUM	3.00
MLT2809L	HEMATOLOGY CLINICAL PRACTICUM	3.00
MLT2810L	CLINICAL CHEMISTRY PRACTICUM	3.00
MLS2811L	MICROBIOLOGY CLINICAL PRACTICUM	3.00
MLS2930	SEMINAR	4.00
<b>Total Credits</b>		<b>76</b>

<sup>1</sup> MAC1105C COREQUISITE COLLEGE ALGEBRA is a 5-credit course. Students who register for this course must see an advisor to discuss their academic plan.

<sup>2</sup> See Program Electives below.

#### Notes:

See General Education course information here (<https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/>).

Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY.

In accordance with Florida Statute and Florida Administrative Code, students may need to satisfy the Civic Literacy Graduation Requirement. Visit the Civic Literacy Graduation Requirement page at [broward.edu/civic-literacy](http://broward.edu/civic-literacy) (<https://students.broward.edu/resources/civic-literacy/>).

## PROGRAM ELECTIVES

Course	Title	Credits
CGS1060C	COMPUTER AND INTERNET LITERACY	3.00
BSC1005	BIOLOGICAL PRINCIPLES FOR NON-MAJORS	3.00
BSC1005L	BIOLOGICAL PRINCIPLES FOR NON-MAJORS LAB	1.00
BSC2011	INTRODUCTION TO BIOLOGY II	3.00
BSC2011L	INTRODUCTION TO BIOLOGY II LABORATORY	1.00
BSC2085	HUMAN ANATOMY AND PHYSIOLOGY I	3.00
BSC2085L	HUMAN ANATOMY AND PHYSIOLOGY I LABORATORY	1.00
BSC2086	HUMAN ANATOMY AND PHYSIOLOGY II	3.00
BSC2086L	HUMAN ANATOMY AND PHYSIOLOGY II LABORATORY	1.00
BSC2949	CO OP WORK EXPERIENCE	3.00
BSC2421	INTRODUCTION TO BIOTECHNOLOGY	3.00
BSC2421L	INTRODUCTION TO BIOTECHNOLOGY LABORATORY	1.00
CHM1020	CHEMISTRY IN EVERYDAY LIFE	3.00
CHM1020L	CHEMISTRY FOR EVERDAY LIFE LABORATORY	1.00
CHM2210	ORGANIC CHEMISTRY I	3.00
CHM2210L	ORGANIC CHEMISTRY I LABORATORY	1.00
MCB2010	MICROBIOLOGY	3.00
MCB2010L	MICROBIOLOGY LABORATORY	1.00
OST1330	BUSINESS ENGLISH	1.00
OST1103C	BASIC KEYBOARDING	1.00
GEB2430	BUSINESS ETHICS	1.00
SLS1501	COLLEGE SUCCESS SKILLS	1.00
OST2053	SUCCESSFUL JOB SEARCH	1.00

Students are strongly encouraged to meet with an advisor (<https://students.broward.edu/resources/advising/>) to create a personalized educational plan.

## Program Highlights

### Credit for Prior Learning

Accelerate your path to completion with these options:

- Credit by exam
- Prior Learning Assessment
- Earned industry certification
- And much more...

### Related Industry Certifications

Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses: N/A

### Get an Internship

After completing your first year of coursework make sure to visit Employment Solutions (<https://broward.edu/career/>) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship (<http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx>)
- Virtual Job Shadow Tool (<http://www.broward.edu/studentresources/career/Pages/default.aspx>)

### **Median Wage and Job Growth Outlook**

Broward College has Career Coach (<https://www.broward.edu/careercoach/>)! It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

### **Fund Your Education**

This Program is Financial Aid (<https://www.broward.edu/admissions/financial-aid/>) eligible. Scholarships (<https://www.broward.edu/admissions/financial-aid/scholarships/>) may be available.