

# Medical Laboratory Technology

## Medical Laboratory Technology Degrees and Certificates

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- Medical Laboratory Technology

## Medical Laboratory Technology Classes

### MLT 100: Introduction to Medical Laboratory Technology

Introduction to the field of medical laboratory technology with a focus on general topics related working in clinical laboratories. For students interested in exploring employment opportunities in medical laboratories.

**Credits** 1

**Weekly Contact Hours** 1

**Meets Degree Requirements For**  
Restricted Elective

### MLT 102: Phlebotomy

Students will learn the theory of phlebotomy and how it relates to the healthcare delivery system, lab safety and infection control, anatomy and physiology, specimen collection and handling, phlebotomy equipment, quality assurance and control, communication and legal issues.

**Credits** 1

**Weekly Contact Hours** 1

**Meets Degree Requirements For**  
Restricted Elective

**Prerequisites**

[MLT 100](#)

### MLT 150: Basic Lab Theory

Introduction to the fundamental theories of laboratory practice and safety, including studies in hematology, hemostasis, microbiology, clinical chemistry, serology, blood banking, urinalysis and venipuncture.

**Credits** 5

**Weekly Contact Hours** 5

**Meets Degree Requirements For**  
Restricted Elective

**Prerequisites**

MLT Program Acceptance, [MLT 102](#) and concurrent enrollment in MLT 151

### MLT 151: Basic Lab Practice & Phlebotomy

Introduction to the fundamental skills and procedures necessary in the clinical laboratory.

**Credits** 3

**Weekly Contact Hours** 6

**Meets Degree Requirements For**  
Restricted Elective

**Prerequisites**

MLT Program Acceptance, [MLT 102](#) and concurrent enrollment in [MLT 150](#)

## MLT 210: Clinical Experience I

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.

**Credits** 10

**Weekly Contact Hours** 20

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

MLT Program Acceptance, [MLT 102](#) and concurrent enrollment in [MLT 150](#)

## MLT 213: Hematology

In-depth training in the practical and theoretical subjects associated with hematology, hemostasis, immunology, serology and immunohematology.

**Credits** 7

**Weekly Contact Hours** 7

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[BIOL& 242](#) and concurrent enrollment in [MLT 210](#) and MLT 214

## MLT 214: Hematology Lab

Fundamental practice of clinical hematology, body fluid analysis and immunohematology.

**Credits** 3

**Weekly Contact Hours** 6

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[MLT 151](#) and concurrent enrollment in [MLT 213](#)

## MLT 220: Clinical Experience II

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.

**Credits** 10

**Weekly Contact Hours** 20

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[MLT 210](#) and concurrent enrollment in MLT 223

## MLT 223: Clinical Microbiology

In-depth training in the practical and theoretical subjects associated with clinical bacteriology, parasitology, mycology and virology.

**Credits** 7

**Weekly Contact Hours** 7

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[BIOL& 260](#) and concurrent enrollment in [MLT 220](#) and MLT 224

## MLT 224: Clinical Microbiology Lab

Fundamental practice of diagnostic medical bacteriology and parasitology.

**Credits** 3

**Weekly Contact Hours** 6

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[BIOL& 260](#) and concurrent enrollment in [MLT 223](#)

## MLT 230: Clinical Experience III

Practical on-the-job training in a clinical setting. Rotation through the laboratory departments, practicing test performance under direct supervision of the laboratory's technologists or technicians.

**Credits** 10

**Weekly Contact Hours** 20

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[MLT 220](#) and concurrent enrollment in MLT 233

## MLT 233: Clinical Chemistry and Urinalysis

Fundamentals of chemical analysis and urinalysis procedures in the medical laboratory. Emphasis on proper use and care of equipment, safety procedures, recognition of sources of error, and the use of a variety of statistical tools as part of a quality-assurance program.

**Credits** 7

**Weekly Contact Hours** 7

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

CHEM& 131 and [BIOL& 242](#) and concurrent enrollment in [MLT 230](#) and MLT 234

## MLT 234: Clinical Chemsitry Lab

Fundamental practice of clinical chemistry and urinalysis.

**Credits** 3

**Weekly Contact Hours** 6

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

CHEM& 131 and concurrent enrollment in [MLT 233](#)

## MLT 240: Clinical Experience IV

Practical on-the-job training in different departments with some opportunities to return for additional training in those areas where instructors feel it is needed. Rotation through the laboratory departments under direct supervision of the laboratory's technologists or technicians.

**Credits** 10

**Weekly Contact Hours** 20

**Meets Degree Requirements For**

Restricted Elective

**Prerequisites**

[MLT 230](#)