



Associate of Occupational Studies Degree

MEDICAL LABORATORY TECHNICIAN

Program available at the Colorado Springs, CO campus

A career as a Medical Laboratory Technician provides you with the opportunity to gain theoretical knowledge and hands-on practice for a wide range of testing procedures commonly used in a medical laboratory.



Program Objective

Upon completion of this program, graduates will have entry-level knowledge in conversion systems, molar calculations, temperature conversions, and algebraic equations, along with a base knowledge of inorganic chemistry, organic chemistry and biochemistry.

Tests will be performed on various body fluids, including urine, synovial fluid, cerebrospinal fluid, and blood. These testing procedures will be practiced, results interpreted to ensure norms are understood, and abnormal results can be identified and explained. Safety, OSHA standards, universal precautions, and personal protective equipment will also be taught and practiced in the classroom laboratory.

Employment Outlook

According to the Bureau of Labor Statistics, the occupation of Medical and Clinical Laboratory Technologists are projected to grow much faster than average of all occupations through 2024 — **an employment increase of 16%**.

**These national statistics are not geographically assigned. For more information, please see IBMC's Career Services Department.*

Course Area / Minimum Credit Hours

BUSINESS SKILLS / 4

(4) CMS111 Career Marketing Strategies

COMPUTER SKILLS / 3

(3) CIS110 Fundamental Computer Skills

MEDICAL / 18

(2) EMG101 Basic CPR & First Aid Certification

(4) MAP110 Medical Terminology

(4) MAP122 Anatomy & Physiology:
Control & Metabolism

(4) MAP123 Anatomy & Physiology:
Circulation & Life

(4) MAP185 Medical Law & Ethics

MEDICAL LABORATORY / 73

(3) MLT100 Introduction to Medical Lab

(4) MLT102 Human Pathology

(3) MLT105 Instrumentation & Quality Control

(4) MLT110 Math for Medical Specialties

(4) MLT115 Molecular Biology*

(3) MLT120 Phlebotomy & Specimen Collection

(3) MLT125 Urinalysis & Body Fluids

(5) MLT130 Hematology

(3) MLT135 Hemostasis & Speciality Testing

(4) MLT140 General Chemistry*

(3) MLT145 Clinical Chemistry

(3) MLT150 Pathogenic & Parasitic Organisms

(3) MLT155 Immunology & Serology

(5) MLT160 Microbiology

(5) MLT170 Immunohematology &
Bloodbanking

(5) MLT200 Medical Laboratory Review

(13) MLT210 Externship

GENERAL EDUCATION / 12

(4) ENG121 English Communications*

(4) PSY107 Psychology of Success

(4) PSY134 General Psychology*

TOTAL CREDITS / 110

**Meets General Education guidelines for A.O.S. Degree*

Career Potential

Medical Laboratory Technicians are often employed in: blood banks, hospitals, health laboratories, clinics, research labs and private medical practices.



- Fort Collins
- Greeley
- Longmont
- Colorado Springs
- Cheyenne

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