



# Medical Laboratory Technology

Department: Health

Degree: Associate of Applied Science

Entry time: Fall

Length: 2 years (6 semesters)

- The program focuses on training medical laboratory technicians (MLTs) to be dependable members of the healthcare and quality teams who are **competent and knowledgeable**.
- Small classes of students are taught by **quality instructors with expertise in clinical laboratory science** who are focused on student learning success.
- The program's **advanced laboratory equipment and laboratory facilities** create a great learning environment for students.
- The program provides classroom and online learning along with **hands-on laboratory and clinical site experiences**.
- Students get their **quality clinical experience** at various hospital and public health settings.
- **Kibbie Grant:** Students in this program may be eligible to have half their tuition paid for by the Kibbie Grant. Go to [www.kirkwood.edu/Kibbie](http://www.kirkwood.edu/Kibbie) for more details.

## Program Description

MLTs are members of the healthcare and quality teams who perform, evaluate, and assure the accuracy and validity of laboratory test information and collaborate in the diagnosis, treatment, and therapy of patients.

Various diverse functions of sample collection, test analysis, principle application, quality control monitoring, use and maintenance of automated and electronic instruments, troubleshooting, and problem-solving techniques are performed under the supervision of a Medical Laboratory Scientist or Pathologist in compliance with safety and governmental regulations. The individual will develop competencies in areas such as chemistry, hematology, blood bank, microbiology, immunology, molecular diagnostics, and quality assurance.

This program has a mandatory background check for clinical purposes.

The primary location for the Medical Laboratory Technician students will be the Kirkwood Regional Center at the University of Iowa in Coralville. Upon successful completion of the program, the student is eligible to take the national certification exam from the American Society for Clinical Pathology (ASCP).

## Career Opportunities

Hospitals  
Physicians' offices  
Private reference laboratories  
Research

Biotechnology  
Public health  
Nonclinical industrial laboratories  
Sales or technical services

## Sample Classes

Basic Anatomy and Physiology  
Principles of Phlebotomy  
Introduction to Biosafety  
Urinalysis  
Hematology  
Hemostasis and Thrombosis  
Immunology and Serology  
Introduction to Chemistry  
Clinical Chemistry  
Clinical Microbiology  
Immunohematology  
Pathophysiology for the Laboratorian

## Accreditation

Kirkwood's Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

NAACLS  
5600 N. River Rd., Suite 720  
Rosemont, IL 60018-5119  
[www.naacls.org](http://www.naacls.org)  
773-714-8880

## Scholarships

Kirkwood will help you pay for college! Kirkwood awards more scholarships than any other community college in Iowa. For more information and to apply, visit [www.kirkwood.edu/scholarships](http://www.kirkwood.edu/scholarships).

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