Medical Laboratory Technology

Department: Health Occupations  
Degree: Associate of Applied Science  
Entry time: Fall  
Length: 2 Years (6 semesters)

- **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.

- The program focuses on training medical laboratory technologists (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.

**Program Description**

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

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.

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**

MLTs are trained to work in multiple settings such as hospitals, physician’s offices, private reference laboratories, research, biotechnology, public health, nonclinical industrial laboratories and sales or technical services.

**Accreditation**

The Kirkwood Community College Medical Laboratory Technology program is seeking accreditation by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

**Sample Classes**

- Human Anatomy and Physiology
- Principles of Phlebotomy
- Introduction to Biosafety
- Urinalysis and Body Fluids
- Hematology
- Hemostasis and Thrombosis
- Immunology and Serology
- Introduction to Organic and Biochemistry
- Clinical Chemistry
- Clinical Microbiology
- Immunohematology

**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).