



## COLLEGE OF HEALTH PROFESSIONS

# MEDICAL LABORATORY TECHNOLOGY/SCIENCE

Associate of Applied Science Degree  
Bachelor of Science Degree

Live. Learn. Lead.

Preparing graduates for the challenges of the health care industry today



Across the US, there is a shortage of qualified medical laboratorians



Over 70% of decisions made by doctors are based on results of laboratory testing



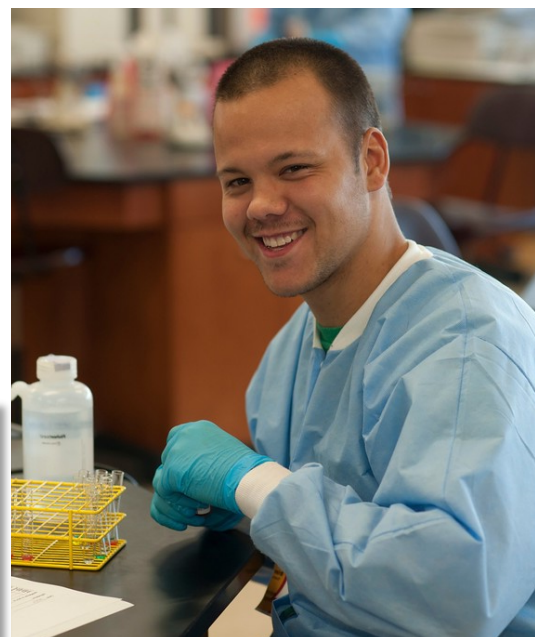
Medical laboratorians earn above average salaries among other health occupations

Medical laboratory professionals perform and evaluate clinical laboratory tests that help physicians and other health care providers detect, diagnose and treat disease. Think of yourself as a detective, helping to solve medical mysteries!

### WHAT LABORATORY PROFESSIONALS DO:

1. Uncover and provide laboratory information that assists physicians in patient diagnosis and treatment, as well as in disease monitoring or prevention (maintenance of health).
2. Use sophisticated bio-medical instrumentation and technology.
3. Collect, process and perform laboratory testing on human blood and body fluids.
4. Generate accurate laboratory data to aid in providing safe blood transfusions, as well as detecting cancer, heart attacks, diabetes, infectious diseases and drugs of abuse.
5. Monitor testing quality and consult with other members of the health care team.

**FACT: Not all medical laboratorians work in a hospital lab.** Many find other related occupations in the pharmaceutical industry, crime labs, biotech companies, research, veterinary medicine and laboratory information systems or continue on to medical school, physician assistant training, pathology assistant training, and doctoral programs.



FERRIS STATE UNIVERSITY  
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## ENROLLMENT

### Admission

At Ferris, the students must fulfill entrance requirements for the MLS and MLT programs before beginning the clinical experience. All students are admitted as “pre” students until they complete the requirements to qualify for the professional sequence of the MLT or MLS program. Specific pre-requisite courses must be successfully completed by the end of the Spring Semester to qualify for entry into the professional sequence, which begins in May.

### Qualifying

1. Cumulative Ferris Grade Point Average of 2.5 or higher.
2. Math ACT score of 24/SAT score of 580 or higher or MATH 115 or 117 with a grade of “C” or higher.
3. Completion of all required pre-requisite courses as outlined on the MLS and MLT qualification check sheets.

## OFFERINGS

The Clinical Laboratory Science programs at Ferris include an associate degree (MLT) and baccalaureate degree (MLS).

The Medical Laboratory Technology (MLT) program is 5 and one-half semesters, including a 14-week clinical experience at one of our affiliated medical laboratories. The curriculum includes general education, biology, chemistry, mathematics, College of Health Professions core curriculum and introductory courses in the major laboratory disciplines, e.g. blood banking, chemistry, hematology and microbiology. Graduates of the MLT program are eligible to sit for a national certification exam.

The Medical Laboratory Science (MLS) program is 9 semesters long and combines general education, biology, chemistry, mathematics, statistics, and College of Health Professions core courses. The professional phase of the MLS program includes introductory and advanced courses in the major laboratory disciplines, e.g. blood banking, chemistry, hematology and microbiology. Students are assigned to an affiliated laboratory for an 18-week clinical experience. Graduates of the MLS program are also eligible to sit for a national certification exam.

## STRENGTHS OF THE MLS & MLT DEGREES

- Unique Simulated Laboratory
- Hands-on experience with real medical laboratory instruments
- >95% job placement rate

## FERRIS STUDENT ORGANIZATION

Association of Clinical Laboratory Science is an active group. Students can participate even before they begin taking clinical courses within the professional sequence of the program.

## ACCREDITATION STATUS

The MLS and MLT programs at Ferris State University are fully accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

NAACLS can be contacted as follows: NAACLS 5600 N River Road, Suite 720, Rosemont, IL 60018-5119 Phone: (847) 939-3597, Fax: (773) 714-8886. [www.naacls.org](http://www.naacls.org)



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Contact us for more info.: (231) 591-2270

