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ideas.**
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**MINNESOTA STATE
UNIVERSITY**
MANKATO

MEDICAL LABORATORY SCIENCE *College of Science, Engineering & Technology*

WHAT IS MEDICAL LABORATORY SCIENCE?

Medical Laboratory Science is a challenging and rewarding career recommended to men and women with interest and ability in sciences. A medical laboratory scientist is an allied health professional skilled in both the theory and practice of clinical laboratory procedures that provide data that physicians use to determine the presence, extent, and cause of disease. The medical laboratory scientist can perform complex laboratory procedures, recognize errors or physiologic conditions that invalidate test results, carry out quality control procedures, and implement new procedures.

WHAT DEGREES AND PROGRAMS DO WE OFFER?

The Medical Laboratory Science program at Minnesota State Mankato offers the Bachelor of Science (BS) degree in Medical Laboratory Science.

WHAT CAREER OPPORTUNITIES ARE AVAILABLE FOR STUDENTS COMPLETING THIS PROGRAM?

Medical laboratory scientists are employed in hospitals, clinics, the armed services, public health agencies, and industry. They are prepared not only to function as laboratory professionals, but also to assume responsibility for supervision, quality control, research and development, and the educational aspects of clinical laboratory practice.

Starting salaries for medical technologists begin at \$55,000, and annual salaries range from \$55,000 to \$65,000.

EXAMINING THE QUALITY OF OUR PROGRAM

Accreditations

Minnesota State Mankato is affiliated with CAHEA and NAACLS internship programs in Iowa, Minnesota, South Dakota, and New York.

Faculty

Our 21 tenured track biology faculty all have Ph.D.s.

Faculty grants and scholarly activity

Many of our faculty are involved in various scholarly activities.

STUDENT EXPERIENCE/ PROGRAM REQUIREMENTS

Faculty/Student Ratio

The ratio varies, with the lower level biology classes having about 1:150, but the upper level classes at 1:10.

Unique program components and experiences

The four-year medical laboratory science curriculum consists of three years spent at the university completing required courses and electives. The fourth year is spent in professional education and experience at a NAACLS and CAHEA approved school of medical laboratory science. Acceptance into an accredited program for the senior year is conducted on a competitive basis.

Cohorts

The medical laboratory science internship sites provide the clinical year.

Alumni experiences

Many Minnesota State Mankato graduates hold positions of responsibility in clinical laboratories in industry and in research. A nationwide shortage of medical laboratory scientists currently exists. It has been projected that over the next decade the shortage will worsen. Placement is above 95 percent for medical laboratory science graduates, and the demand is expected to remain high.

Unique program components include internships and capstone experiences. Clinical internship applications are initiated at the end of the sophomore year.

HOW DO I PREPARE FOR THIS PROGRAM?

Students should have a high school background in biology, chemistry, and mathematics and should have shown aptitude in these areas. It is necessary to meet Minnesota State Mankato admission requirements

FOR MORE INFORMATION PLEASE CONTACT

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You are encouraged to visit the campus.

To arrange for a visit, please call:

Office of Admissions: 507-389-1822

Tollfree: 800-722-0544

SAMPLE FOUR-YEAR CURRICULUM (MEDICAL LABORATORY SCIENCE, BA)

First Year (Fall)	First Year (Spring)
BIOL 105 General Biology I (4) BIOL 220 Human Anatomy (4) MATH 112 College Algebra (4) ENG 101 Composition (4)	BIOL 106 General Biology II (4) BIOL 175 Orientation to Clinical Laboratory Science (1) CHEM 201 General Chemistry I (5) General Education Course (3)
Second Year (Fall)	Second Year (Spring)
BIOL 330 Principles of Human Physiology (4) CHEM 202 General Chemistry II (5) General Education Course, Writing Intensive (4) General Education Course (2)	BIOL 270 General Microbiology (4) BIOL 211 Genetics (4) General Education Course, Writing Intensive (3) General Education Course (3)
Third Year (Fall)	Third Year (Spring)
BIOL 475 Medical Microbiology (5) CHEM 322 Organic Chemistry I (4) HLTH 475 Biostatistics (3) OR STAT 154 Elementary Statistics (4) General Education Course (2)	BIOL 430 Hematology/Immunology (4) CHEM 365 Principles of Biochemistry (4) General Education Course, Purple or Gold (4) General Education Course, Purple (3)
Fourth Year (Fall)	Fourth Year (Spring)
MEDT Internship (16)	MEDT Internship (16)

For additional information about course requirements, please visit <http://www.mnsu.edu/supersite/academics/bulletins/>

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