The role of the medical laboratory scientist in health care is the accurate and precise performance of laboratory procedures that aid in the prevention, diagnosis and treatment of disease. Most medical laboratory scientists are employed by hospitals, clinics, reference laboratories and physician office laboratories. Some medical laboratory scientists are laboratory consultants; assist in research projects; are sales or technical representatives for laboratory and pharmaceutical companies; or work in food, beverage, or chemical plants. The Bachelor of Science in Medical Laboratory Sciences is also excellent preparation for graduate education in the medical sciences.

Students may apply to the Medical Laboratory Sciences (MLS) Program after completing WSU general education requirements and program prerequisites, or during the semester in which they are completing WSU general education and program prerequisites. Many of these prerequisites may be completed at community or other educational institutions and transferred to WSU. Students who have earned a bachelor degree at a qualified college or university have already met general education requirements. After acceptance into the professional program, the student begins the intensive 17 month preparation for clinical practice. The first 12 months of the program are offered on the WSU campus, consisting of lecture and student lab instruction. During last five months of the program, the student applies theory and skills in clinical practice at a medical facility. These courses prepare you for medical laboratory practices in clinical chemistry, hematology, immunohematology, parasitology, mycology, bacteriology and immunology. Clinical practice will be completed at one or more of affiliated medical facilities, located in Kansas and surrounding areas.

The WSU MLS Program also offers an abbreviated program to associate degree Medical Laboratory Technician graduates (MLT Applicants) who wish to continue their education toward a Bachelor of Science degree in Medical Laboratory Sciences.

Faculty
- Laurie Alloway, MS, MLS(ASCP)
- Jean Brickell, EdD, MT(ASCP)
- Diana Cochran-Black, DrPH, MLS(ASCP)SH
- Reitha Deiter, MS, MT(ASCP)
- Stephanie Rogers, MED, MLS(ASCP)

The WSU Medical Laboratory Sciences Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Graduates of the program receive a Bachelor of Science in Medical Laboratory Sciences and are eligible to sit for national certification examinations.

Admission
Upon declaring Medical Laboratory Sciences as a major, a student will be assigned an academic advisor in the College of Health Professions who will assist in the development of a program of study for the completion of the degree. Please call (316) 978-3304 for an appointment.

The application for the Medical Laboratory Sciences Program is available online at the WSU website - wichita.edu/mls.

Criteria for acceptance are also listed on the web site. Completed applications must be submitted to the medical laboratory sciences department by the application deadline: April 1 for summer or fall semester entry into the professional phase or November 1 for spring semester entry.

MLS Program
- Biology 210 (also meets a gen ed requirement)
- Chemistry 211 and 212 (also meets gen ed requirement)
- Biology 223, Biology 534/535, or HS 290
- Biology 220 or Microbiology 330
- HP 303 Medical Terminology
- MLS 311 or Chemistry 661
- MLS 405 or Biology 590

Transfer equivalences for these courses may be found at http://webapps.wichita.edu/TransferEquiv/
All prerequisite and general education courses must be completed prior to starting the MLS program.
Contact Information
For more information about the MLS Program at WSU, call (316) 978-3304 or email mls@wichita.edu. You can also visit us online at wichita.edu/mls.

To schedule a campus visit or contact the Office of Admissions, visit wichita.edu/campusvisit or call (316) 978-3085.

Professional Program for non-MLT Applicants
MLS 400 Clinical Laboratory Management
MLS 453 Clinical Chemistry
MLS 452 Analysis of Body Fluids
MLS 459 Applied Clinical Chemistry
MLS 463 Clinical Hematology
MLS 469 Applied Clinical Hematology
MLS 473 Immunohematology
MLS 479 Applied Transfusion Medicine
MLS 482 Molecular Diagnostic Techniques
MLS 489 Applied Clinical Techniques
MLS 492 Clinical Microbiology I
MLS 496 Clinical Microbiology II
MLS 498 Applied Clinical Microbiology

Professional Program for MLT Applicants
HS 400 Pathophysiology
MLS 400 Clinical Laboratory Management
MLS 458 Advanced Clinical Chemistry
MLS 452 Analysis of Body Fluids
MLS 459 Applied Clinical Chemistry
MLS 463 Clinical Hematology
MLS 468 Advanced Clinical Hematology & Body Fluids
MLS 473 Immunohematology
MLS 478 Advanced Immunohematology
MLS 480 Molecular Diagnostics Techniques
MLS 482 Molecular Diagnostic Techniques
MLS 489 Applied Clinical Techniques
MLS 492 Clinical Microbiology I
MLS 496 Clinical Microbiology II
MLS 498 Applied Clinical Microbiology

Students must meet all Wichita State University general education and graduation requirements per the university catalog for the baccalaureate degree.

Wichita State University does not discriminate in its employment practices, educational programs or activities on the basis of age, color, disability, gender, gender expression, gender identity, genetic information, marital status, national origin, political affiliation, pregnancy, race, religion, sex, sexual orientation, or status as a veteran. Retaliation against an individual filing or cooperating in a complaint process is also prohibited. Sexual misconduct, relationship violence and stalking are forms of sex discrimination and are prohibited under Title IX of the Education Amendments Act of 1972. Complaints or concerns related to alleged discrimination may be directed to the Director of Equal Opportunity or the Title IX Coordinator, Wichita State University, 1845 Fairmount, Wichita KS 67260-0138; telephone (316) 978-3187.

For more information on medical laboratory sciences at WSU visit wichita.edu/mls or call (316) 978-5650.