Medical Laboratory Science was...  
- Develop lab skills in chemistry, biology, and math in the context of a broad university education.  
- Study in modern learning environment provided by the recently renovated Magill Hall of Science.  
- Complete one-year of clinical study at a clinical program that holds accreditation status from The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).  
- Be eligible for national certification as a medical laboratory scientist upon completion of the B.S. degree.  
- Have excellent employment opportunities upon completion of the program.

Career Planning
Career preparation is part of the mission of Southeast. 100% of programs offer our students an internship, study-abroad program, clinical opportunity, student teaching or research internship.

The demand for medical laboratory scientists is likely to stay high in the immediate future. Most medical laboratory scientists work in hospitals, but job opportunities also exist in physicians’ laboratories, clinics, commercial laboratories, research facilities, public health centers, veterinary laboratories, higher education, and the armed forces. During the past ten years, all Southeast graduates from this program have found employment in the field and many of these have had employment offers prior to graduation.

The Office of Career Services in Academic Hall 057 can provide students with professional career counseling and coaching, resume critiques, practice interviews, job search strategies, career events, networking opportunities, and more.

Clinical Affiliates
- Cox Health
- North Kansas City Hospital
- Owensboro Medical Health System
- Mercy Hospital Joplin
- Mercy Hospital St. Louis
- Southeast Health

Transfer and Dual Credit Students
If you have dual credit or transfer credit, please visit our transfer course equivalencies guide at semo.edu/transfercredit.
This is a guide based on the 2018-2019 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

**CURRICULUM CHECKLIST**

“Critical Courses” are italicized and bolded. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

**Required Courses:**
- Bi173 Cell & Organismal Biology (4)
- Bi283 Genetics (4)
- Bi310 General Microbiology (4)
- Bi442 Immunology (3)
- Bi543 Pathogenic Microbiology (2)
- Bi544 Pathogenic Microbiology Laboratory (1)
- CH185 General Chemistry (5)
- CH186 Foundations of Inorganic Chemistry (3)
- CH271 Foundations of Analytical Chemistry (5)
- CH340 Essentials of Organic Chemistry (5)
- CH531/CH533 Foundations of Biochemistry (3)
- MA116 Precalculus A (3)
- MA223 Elementary Probability and Statistics (3)

Choose one course:
- BS332 Human Physiology (3)
- ZO331 Animal Physiology (3)

**Clinical Year Program – 30 hours required - off campus**
- MT300 Clinical Chemistry (8-10)
- MT301 Clinical Microscopy (1-2)
- MT302 Hematology and Coagulation (6-8)
- MT303 Serology Immunology (2-4)
- MT304 Clinical Microbiology (7-9)
- MT305 Blood Bank Immunohematology (3-4)
- MT306 Special Topics in Medical Technology (1-4)

**University Studies Requirements** – some requirements may be fulfilled by coursework in major program
- Social and Behavioral Sciences – 3 hours
- Constitution requirement – 3 hours
- US History requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)

**SAMPLE FOUR-YEAR PLAN**

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Milestone: maintain 2.0 cumulative GPA

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Milestone: maintain 2.0 cumulative GPA

A “Milestone” signifies a significant stage for a student in the completion of a degree.

**Degree requirements for all students:** a minimum of 120 credit hours, completion of University Studies program, completion of 39 senior division hours (300-599), Writing Proficiency Exam (WP003), and completion of the Measure of Academic Proficiency and Progress (MAPP) at the senior level. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.