



Bachelor of Science (Accelerated MLS Program)

Major: Medical Laboratory Science

2024-2025 Sample 4-Year Plan

Total Degree Requirements: 120 credits

Student _____ Student ID# _____ Student Phone # _____

Advisor _____ Minimum GPA _____ Minor/Career Interest(s) _____

Students are not limited to this plan; it is meant to be used as a guide for planning purposes in consultation with your advisor. The sample schedule is one possible path to completing your degree within four years. For official program requirements, please refer to the [Undergraduate Catalog](#).

SYSTEM GENERAL EDUCATION REQUIREMENTS

Prefix + Number	Course Title	Prerequisites/Comments	Credits	SDSU/TRANSFER
SGR #1	Written Communication (ENGL 101 Recommended)		3	
SGR #1	Written Communication (ENGL 201 Recommended)		3	
SGR #2	Oral Communication (CMST 101 Recommended)		3	
SGR #3	Social Sciences	From 2 different disciplines	3	
SGR #3	Social Sciences	From 2 different disciplines	3	
SGR #4	Arts and Humanities	From 2 different disciplines	3	
SGR #4	Arts and Humanities	From 2 different disciplines	3	
MATH 114	College Algebra (SGR #5)	p. Placement	3	
Total Credit Hours			24	

ACCELERATED MLS PROGRAM REQUIREMENTS

Prefix + Number	Course Title	Prerequisites/Comments	Credits	SDSU/TRANSFER
CHEM 106/106L	Chemistry Survey and Lab (SGR #6)		4	
CHEM 108/108L	Organic and Biochemistry and Lab (SGR #6)	p. CHEM 106/L	5	
BIOL 221/221L	Human Anatomy and Lab		4	
MICR 231/231L	General Microbiology and Lab		4	
BIOL 325/325L	Physiology and Lab	p. BIOL 221/L and CHEM 106	4	
STAT 281	Introduction to Statistics	p. MATH 103 or higher	3	
Total Credit Hours			20	

ACCELERATED MLS PROGRAM ADDITIONAL REQUIREMENTS

	YES/NO	Comments
Completed 90 credits toward a BS		
Completed a Bachelor of Science Degree (BS)		

ACC MLS1-MUST BE ACCEPTED INTO PROFESSIONAL PROGRAM

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 201	Understand Medical Laboratory Science		2	F	
MLS 311	Clinical Chemistry I	p. CHEM 108/L	4	F	
MLS 301/301L	Hematology I and Online Lab		3	F	
MLS 341	Diagnostic Microbiology I		3	F	
MLS 403	Diagnostic Immunology		3	F	
MLS 412	Laboratory Methods		3	F	
MLS 431	Principles of Immunohematology		2	F	
Total Credit Hours			20		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 401	Hematology II/Hemostasis		3	S	
MLS 411/411L	Clinical Chemistry II and Online Lab		4	S	
MLS 441	Diagnostic Microbiology II		3	S	
MLS 451	Immunohematology II		2	S	

Information Subject to Change. This is not a contract.

p. = Course Prerequisite
Semester: F = Fall, S = Spring, SU = Summer



Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 461	Management & Education		3	S	
MLS 471	Advanced Medical Diagnostics		2	S	
Total Credit Hours			17		

ACC MLS2

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 401L	Hematology II/Hemostasis Lab		1	Su	
MLS 441L	Diagnostic Microbiology II Lab		2	Su	
MLS 451L	Immunohematology II Lab		2	Su	
MLS 471L	Advanced Medical Diagnostics Lab		2	Su	
MLS 489	Phlebotomy Clinical Experience		1	Su	
Total Credit Hours			8		

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 472	Advanced Clinical Experience I		5	F	
MLS 473	Advanced Clinical Diagnostics I		3	F	
MLS 474	Advanced Clinical Diagnostics II		3	F	
MLS 475	Advanced Clinical Experience II		3	F	
MLS 483	Senior Capstone Clinical Experience		3	F	
Total Credit Hours			17		

COMMENTS/NOTES

Students from all academic majors can pursue graduation with Fishback Honors College distinction. View the [Honors program requirements](#).

Medical Laboratory Science Professional Program Admission

Admission is competitive and will be determined based on the following criteria:

1. Submission of cumulative GPA on a 4.0 scale of all college work completed at the time of application.
2. Grade of C or 70% minimum on all prerequisite courses.
3. Completion of prerequisite courses CHEM106/106L, CHEM108/108L, BIOL 221/221L, BIOL 325/325L, STAT 281, and course or content equivalences as approved by the program director prior to admission.
4. Confirmation of ability to meet the non-academic Essential Functions of the program.
5. Completion of an approved background check administered according to program guidelines. (expenses concurred are student's responsibility) *
6. Completion of an interview with the Medical Laboratory Science Admissions committee.

*Note: An additional background check may be required prior to clinical placement, dependent on clinical affiliate requirements. Students are responsible for all costs associated with background checks.

Notes

Clinical Practice courses will be completed at a clinical affiliate site. Placement at the clinical affiliate will be made by MLS program faculty. Current available sites are Avera Health Network Affiliated Hospitals, Mayo SW Regional Health Network, VA Regional Medical Center Sioux Falls, Huron Regional Medical Center, Prairie Lakes Healthcare, VA Medical Center Black Hills of Hot Springs, Rapid City Regional Hospital, Sanford Health Network Affiliated Hospitals and Spearfish Regional Hospital.