



Bachelor of Science (Upward Mobility Program)

Major: Medical Laboratory Science

2023-2024 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 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	

Upward Mobility 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	
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	

Upward Mobility MLS Program Transfer Credit from Associate Degree Program (MLS Program Director Reviews)

Prefix + Number	Course Title	Comments	Credits
MLS 368	Medical Laboratory Science Transfer Credit	Transcripts from MLT program reviewed by MLS Program Director for MLT course credit	
Total Credit Hours			

UPMLS 1-Must be accepted into Professional Program

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 312	MLT to MLS Transition		3	F	
MLS 401	Hematology II/Hemostasis		3	F	
MLS 431	Principles of Immunohematology		2	F	
Total Credit Hours			8		



Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 341	Diagnostic Microbiology I		3	S	
MLS 403	Diagnostic Immunology		3	S	
MLS 461	Management & Education		3	S	
Total Credit Hours			9		

UPMLS 2

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 411	Clinical Chemistry II		3	F	
MLS 441	Diagnostic Microbiology II		3	F	
MLS 451	Immunohematology II		2	F	
Total Credit Hours			8		

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 468	Advanced Supervised Clinical Experience I		5	S	
MLS 471	Advanced Medical Diagnostics		2	S	
Total Credit Hours			7		

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 469	Advanced Supervised Clinical Experience II		5	Su	
MLS 483	Senior Capstone Clinical Experience		3	Su	
Total Credit Hours			8		

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.