SOUTH DAKOTA STATE UNIVERSITY

Bachelor of Science (Accelerated MLS Program)
Major: Medical Laboratory Science
2026 Sample 12-Month 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 (SGR #3 satisfied by coursework from 2 disciplines; one must fulfill civics requirement)	From 2 different disciplines	3	
SGR #3	Social Sciences (SGR #3 satisfied by coursework from 2 disciplines; one must fulfill civics requirement)	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 PRORGAM 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

Spring

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 420	Fundamentals of the Medical Laboratory		2	S	
MLS 421	Foundations of Medical Chemistry	p. CHEM 108/L	4	S	
MLS 422	Foundations of Hematology		3	S	
MLS 423	Foundations of Urine and Body Fluid Analysis		2	S	
MLS 424	Foundations of Medical Immunology		2	S	
MLS 425	Foundations of Immunohematology		2	S	
MLS 426	Foundations of Medical Laboratory Microbiology		3	S	
		Total Credit Hours	18		

Information Subject to Change. This is not a contract.

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

ACC MLS2

Summer

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 427	Medical Chemistry Theory & Practice		4	Su	
MLS 428	Hematology and Hemostasis Theory & Practice		5	Su	
MLS 429	Immunohematology Theory & Practice		3	Su	
MLS 430	Medical Laboratory Microbiology Theory & Practice		4	Su	
MLS 432	Foundations of Molecular Methods		1	Su	
MLS 465	Introductory Medical Laboratory Practice Intensive		1	Su	
		Total Credit Hours	18		

Fall

Prefix + Number	Course Title	Prerequisites/Comments	Credits	Semester	Grade
MLS 461	Leadership & Education in the Medical Laboratory		3	F	
MLS 476	Clinical Practicum I		4	F	
MLS 477	Clinical Practicum II		4	F	
MLS 478	Clinical Practicum III		3	F	
MLS 479	Clinical Practicum IV		3	F	
MLS 483	Medical Laboratory Capstone		1	F	
		Total Credit Hours	18		

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.