



Bachelor of Science (Accelerated MLS 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 | |

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 | | |

Information Subject to Change. This is not a contract.

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



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 | |
| 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 | | 8 | 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 | | | 20 | | |

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.