

The University of South Dakota
Major Credit Hour count: 90-91
Major: Medical Laboratory Sciences, B.S.

[2021-2022 Academic Catalog]

First Year - 1st Semester

BIOL 151/L General Biology I/Lab
CHEM 112/L General Chemistry/Lab
* MLS 111 Intro to Medical Lab Science
ENGL 101 Composition I
MATH 114, 115, or 123

SGR/Major Requirement	Cr Hrs
SGR 6+M	4
SGR 6+M	4
Major	1
SGR 1	3
SGR 5	3

Semester Credit Hours: 15

Second Year - 1st Semester

***CHEM 326/L Organic Chemistry I/Lab
{or CHEM 310/L, Major req, 5 cr hrs}
{or Humanities, SGR, 4 3cr hrs}
PHGY 230/L Anatomy & Physiology II/Lab
MLS 239 Clin Quality/Data to Decisions
CMST 101 Fundamentals of Speech

SGR/Major Requirement	Cr Hrs
Major	4
Major	4
Major	2
SGR 2	3

Semester Credit Hours: 13

Third Year - 1st Semester

BIOC 310/L Biological Chemistry
MLS 331/L Intro to Heme. & Hemostasis/Lab
MICR 418 Fundamentals of Immunol.

Fine Arts

SGR/Major Requirement	Cr Hrs
Major	5
Major	4
Major	2
SGR 4	3

Semester Credit Hours: 14

Fourth Year - 1st/2nd Semester

**MLS 439-449 (37 or 38 credits taken over 3 semesters)

SGR/Major Requirement	Cr Hrs
Major	18

Semester Credit Hours: 18

First Year - 2nd Semester

BIOL 153/L General Biology II/Lab (Recommended)
CHEM 114/L General Chemistry II/Lab
PHGY 220/L Anatomy & Physiology/Lab

SGR/Major Requirement	Cr Hrs
	4
Major	4
Major	4

Semester Credit Hours: 12

Second Year - 2nd Semester

Humanities
*** {or CHEM 332/L- Analytical Chem, Major Req, 4cr hrs}
MLS 228/L Medical Lab Parasitology
Advanced Composition
Social Sciences
MLS 325- Medical Lab Mol. Diagnostics & Genetics

SGR/Major Requirement	Cr Hrs
SGR 4	3
Major	3
SGR 1	3
SGR 3	3
Major	3

Semester Credit Hours: 15

Third Year - 2nd Semester

MLS 332/L Intro to Med Lab Procedures
MICR 420 Micro and Infectious Dis.
MICR 422 Fundamental Micro. Lab
Free Elective: (Recommend MLS 415 Communicable
Diseases and Public Health)
Social Sciences

SGR/Major Requirement	Cr Hrs
Major	4
Major	4
Major	1
Elective	2
SGR 3	3

Semester Credit Hours: 14

Fourth Year - 2nd/3rd Semester

**MLS 439-449 (37 or 38 credits taken over 3 semesters)

SGR/Major Requirement	Cr Hrs
Major	19

Semester Credit Hours: 19

Total Major Requirements 120

Notes:

*MLS 111 can be taken either fall or spring semester.

**MLS 439-449 are taken as a group and constitute the senior year of clinical instruction in Medical Laboratory Science. This group of courses is taken at an affiliated NAACLS approved School of Medical Laboratory Science. Duration of the courses is 2,000 hours over a 50- week period, 37-38 cr. hrs.

***Choose one chemistry option to satisfy the major: CHEM 326/326L or CHEM 310/310L or CHEM 332/332L