

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

[2020-2021 Academic Catalog]

<u>Year / Semester</u>	SGR/Major Requirement	<u>Cr Hrs</u>	<u>Year / Semester</u>	SGR/Major Requirement	<u>Cr Hrs</u>
<u>First Year - 1st Semester</u>			<u>First Year - 2nd Semester</u>		
BIOL 151/L General Biology I/Lab	SGR 6+M	4	BIOL 153/L General Biology II/Lab (Recommended)	Major	4
CHEM 112/L General Chemistry/Lab	SGR 6+M	4	CHEM 114/L General Chemistry II/Lab	Major	4
* MLS 111 Intro to Medical Lab Science	Major	1	PHGY 220/L Anatomy & Physiology/Lab	Major	4
ENGL 101 Composition I	SGR 1	3			
MATH 114, 115, or 123	SGR 5	3			
Semester Credit Hours:		15	Semester Credit Hours:		12
<u>Second Year - 1st Semester</u>			<u>Second Year - 2nd Semester</u>		
***CHEM 326/L Organic Chemistry I/Lab {or CHEM 310/L, Major req, 5 cr hrs} {or Humanities, SGR, 4 3cr hrs}	Major	4	Humanities *** {or CHEM 332/L- Analytical Chem, Major Req, 4cr hrs}	SGR 4	3
PHGY 230/L Anatomy & Physiology II/Lab	Major	4	MLS 228/L Medical Lab Parasitology	Major	3
MLS 239 Clin Quality/Data to Decisions	Major	2	Advanced Composition	SGR 1	3
SPCM 101 Fundamentals of Speech	SGR 2	3	Social Sciences	SGR 3	3
Semester Credit Hours:		13	MLS 325- Medical Lab Mol. Diagnostics & Genetics	Major	3
			Semester Credit Hours:		15
<u>Third Year - 1st Semester</u>			<u>Third Year - 2nd Semester</u>		
BIOC 310/L Biological Chemistry	Major	5	MLS 332/L Intro to Med Lab Procedures	Major	4
MLS 331/L Intro to Heme. & Hemostasis/Lab	Major	4	MICR 420 Micro and Infectious Dis.	Major	4
MICR 418 Fundamentals of Immunol.	Major	2	MICR 422 Fundamental Micro. Lab	Major	1
Fine Arts	SGR 4	3	Free Elective: (Recommend MLS 415 Communicable Diseases and Public Health)	Elective	2
Semester Credit Hours:		14	Social Sciences	SGR 3	3
			Semester Credit Hours:		14
<u>Fourth Year - 1st/2nd Semester</u>			<u>Fourth Year - 2nd/3rd Semester</u>		
**MLS 439-449 (37 or 38 credits taken over 3 semesters)	Major	18	**MLS 439-449 (37 or 38 credits taken over 3 semesters)	Major	19
Semester Credit Hours:		18	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