

The University of South Dakota
Major Credit Hour count: 92-93
Major: Medical Laboratory Sciences, B.S.

[2019-2020 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	Major	4	BIOL 153/L General Biology II/Lab	Major	4
CHEM 112/L General Chemistry/Lab	Major	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	SGR 6+M	4
ENGL 101 Composition I	SGR 1	3			
MATH 102, 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	Major	5	MLS 228 Medical Lab Parasitology	Major	2
PHGY 230/L Anatomy & Physiology II/Lab	SGR 6+M	4	Advanced Composition	SGR 1	3
SPCM 101 Fundamentals of Speech	SGR 2	3	Social & Behavioral Sciences	SGR 3	3
MLS 239 Clin Quality/Data to Decisions	Major	2	Humanities	SGR 4	3
			MLS 325- Medical Lab Mol. Diagnostics & Genetics	Major	3
Semester Credit Hours:		14	Semester Credit Hours:		14
<u>Third Year - 1st Semester</u>			<u>Third Year - 2nd Semester</u>		
BIOC 310/L Biological Chemistry	Major	5	MLS 332 Intro to Med Lab Procedures	Major	3
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	Elective	3
			Social & Behavioral Sciences (in another discipline)	SGR 3	3
Semester Credit Hours:		14	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.