

The University of South Dakota
Major Credit Hour count: 86-87
Major: Medical Laboratory Sciences, B.S.

[2018-2019 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	Social & Behavioral Sciences	SGR 3	3
ENGL 101 Composition I	SGR 1	3	PHGY 220/L Anatomy & Physiology/Lab	SGR 6+M	4
MATH 102, 115, or 123	SGR 5	3			
		Semester Credit Hours: 15			Semester Credit Hours: 15
<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 (in another discipline)	SGR 3	3
Humanities	SGR 4	3	**Recommended Elective: MLS 239 <u>or</u> STAT 281/381	Elective	2
		Semester Credit Hours: 15	**Recommended Elective: BIOL 471 <u>or</u> 475	Elective	3
<u>Third Year - 1st Semester</u>					Semester Credit Hours: 13
BIOC 310/L Biological Chemistry	Major	5	<u>Third Year - 2nd Semester</u>		
MLS 331 Intro to Med Lab Procedures I	Major	3	MLS 332 Intro to Med Lab Proced. II	Major	3
MICR 418 Fundamentals of Immunol.	Major	2	MICR 420 Micro and Infectious Dis.	Major	4
Fine Arts	SGR 4	3	MICR 422 Fundamental Micro. Lab	Major	1
		Semester Credit Hours: 13	Free Elective: Recommend MLS 415	Elective	3
<u>Fourth Year - 1st/2nd Semester</u>			Free Elective	Elective	1
MLS 439-449 (37 taken over 3 semesters)	Major	18			Semester Credit Hours: 12
		Semester Credit Hours: 18	<u>Fourth Year - 2nd/3rd Semester</u>		
			MLS 439-449 (37 taken over 3 semesters)	Major	19
					Semester Credit Hours: 19
			Total Major Requirements 120		

Notes:

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

**A Statistics course (MLS 239, STAT 281, or 381) is recommended; some affiliated NAACLS programs require for admission.

**BIOL 471 Genetics or BIOL 475 Introduction to Molecular Biology is recommended; some affiliated NAACLS programs require for admission.

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 course is 2,000 hours over a 50- week period, 37-38 cr. hrs.