

The University of South Dakota
Major Credit Hour count: 79-83
Major: Medical Biology, 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	SGR 6+M	4	BIOL 153/L: General Biology II	BS + Major	4
CHEM 112/L: Survey or Gen Chem I	SGR 6+M	4	CHEM 114/L: General Chemistry II	BS + Major	4
ENGL 101: Composition I	SGR 1	3	ENGL 210: Intro to Literature	BS	3
SPCM 101: Fundamentals of Speech	SGR 2	3	MATH 123: Calculus I	SGR 5 + M	5
First Year Seminar		1			0
	Semester Credit Hours:	15		Semester Credit Hours:	16
<u>Second Year - 1st Semester</u>			<u>Second Year - 2nd Semester</u>		
CHEM 310/L: Fundamental Organic Chemistry	Major	5	CHEM 330: Struct. & Funct. of Biom	Major	3
BIOL 280/L: Inquiry & Analysis	Major	2	BIOL 471: Genetics	Major	3
Advanced Composition	SGR 1	3	BIOL 420/L: Intro to Biostats	Major	3
PSYC 101: General Psychology	SGR 3+M	3	SOC 100: Intro to Sociology	SGR 3+M	3
		0	Fine Arts	SGR 4	3
	Semester Credit Hours:	13		Semester Credit Hours:	15
<u>Third Year - 1st Semester</u>			<u>Third Year - 2nd Semester</u>		
BIOL 428: Comparative Physiology	Major	3	Required Med Bio Elective	Major	3
PHYS 111/L: Intro to Physics I	Major	4	PHYS 113/L: Intro to Physics II	Major	4
PHIL 364: Biomedical Ethics	BS+Major	3	BIOC 430: Principles of Biochemistry	Major	3
Humanities	SGR 4	3	Additional Social Science/Humanities	BS	3
BIOL 475: Intro to Molecular Biology	Major	3	Elective		3
	Semester Credit Hours:	16		Semester Credit Hours:	16
<u>Fourth Year - 1st Semester</u>			<u>Fourth Year - 2nd Semester</u>		
PHGY 420: Adv Human Physiology	Major	3	ANAT 411: Human Gross Anatomy	Major	4
Required Med Bio Elective	Major	3	Required Med Bio Elective	Major	3
Elective or CHEM Minor Elective		3	Electives		7
Electives		6			0
	Semester Credit Hours:	15		Semester Credit Hours:	14
			Total Major Requirements 120		

[Notes: In place of CHEM 310/L, students can also take the CHEM 326/L AND 328/L series \(Organic Chemistry I & II\)](#)

If CHEM 326/L and 328/L are taken, students must also complete BIOL 443 to meet the prerequisites for BIOC 430.

With the above coursework, student will complete the Interdisciplinary Science Minor. I