

The University of South Dakota
Major Credit Hour count: 59-62
Major: Biology - Physiology, Cellular and Molecular, B.S.

[2020-2021 Academic Catalog]

<u>Year / Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Year / Semester</u>	SGR/Major Requirement	Cr Hrs
<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/: General Chemistry 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
Mathematics	SGR 5+M	3	Mathematics	BS	4
First Year Seminar		1			0
	Semester Credit Hours:	15		Semester Credit Hours:	15
<u>Second Year - 1st Semester</u>			<u>Second Year - 2nd Semester</u>		
BIOL 280/L Inquiry & Analysis	Major	2	BIOL 443: Cell Biology	Major	3
CHEM 310/L: Fundamental Organic Chemistry	Major	5	Required Chemistry Sequence Course	Major	3
SPCM 101 Fundamentals of Speech	SGR 2	3	Social Science	SGR 3	3
Advanced Composition	SGR 1	3	Humanities	SGR 4	3
		0	Mathematics	BS	3
	Semester Credit Hours:	13		Semester Credit Hours:	15
<u>Third Year - 1st Semester</u>			<u>Third Year - 2nd Semester</u>		
BIOL 475: Intro to Molecular Biology	Major	3	BIOL 428: Comparative Physiology	Major	3
BIOL (Physiology, Cell & Molecular Group)	Major	4	BIOL (Physiology, Cell & Molecular Group)	Major	4
Social Science	SGR 3	3	Additional Social Science/Humanities	BS	3
Additional Social Science/Humanities	BS	3	Fine Art	SGR 4	3
Elective		3	Elective		3
	Semester Credit Hours:	16		Semester Credit Hours:	16
<u>Fourth Year - 1st Semester</u>			<u>Fourth Year - 2nd Semester</u>		
BIOL Elective	Major	3	BIOL (Conservation & Biodiversity Group)	Major	3
BIOL (Physiology, Cell & Molecular Group)	Major	4	BIOL Capstone Group	Major	3
CHEM Minor Elective	BS	4	Electives		10
Elective		3			0
	Semester Credit Hours:	14		Semester Credit Hours:	16
			Total Major Requirements 120		

Must complete a minimum of 30 credit hours of upper-division (300-400 level) BIOL.

Notes: All students in the specialization must complete three upper-level biology lab courses, and one designated botany course. Courses within the major elective may fulfill more than one requirement, for example, BIOL 427/L may count as an upper-level lab, a botany course, and a capstone course.