

The University of South Dakota
Major Credit Hour count: 59-62
Major: Biology - Physiology, Cellular and Molecular, 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	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 471: Genetics	Major	3	
CHEM 326/L 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 elective	Major	3	BIOL (Cell & Molecular Group)	Major	3	
BIOL (Cell & Molecular Group)	Major	4	BIOL (Physiology & Function 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	4	BIOL (Eco & Env Sci, Div, or Evol Grp)	Major	4	
BIOL (Physiology & Function Group)	Major	4	BIOL Capstone Group	Major	1-4	
CHEM Minor Elecitve	BS	4	Electives		7-10	
Elective		3			0	
	Semester Credit Hours:	15		Semester Credit Hours:	15	
					Total Major Requirements	120

Notes: All students in the specialization must complete two upper-level biology lab courses, one designated botany course, and one designated zoology 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.