

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>
<b><u>First Year - 1st Semester</u></b>			<b><u>First Year - 2nd Semester</u></b>		
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
<b>Semester Credit Hours: 15</b>			<b>Semester Credit Hours: 15</b>		
<b><u>Second Year - 1st Semester</u></b>			<b><u>Second Year - 2nd Semester</u></b>		
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
<b>Semester Credit Hours: 13</b>			<b>Semester Credit Hours: 15</b>		
<b><u>Third Year - 1st Semester</u></b>			<b><u>Third Year - 2nd Semester</u></b>		
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
<b>Semester Credit Hours: 16</b>			<b>Semester Credit Hours: 16</b>		
<b><u>Fourth Year - 1st Semester</u></b>			<b><u>Fourth Year - 2nd Semester</u></b>		
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
<b>Semester Credit Hours: 15</b>			<b>Semester Credit Hours: 15</b>		
			<b>Total Major Requirements 120</b>		

**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.