

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

<u>Year / Semester</u>	SRG/Major Requirement	Cr Hrs	<u>Year / Semester</u>	SRG/Major Requirement	Cr Hrs
<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 MATH 123 Calculus I	SGR 5+M 3		Mathematics	BS 4
	First Year Seminar	1			0
	<b>Semester Credit Hours:</b>	<b>15</b>		<b>Semester Credit Hours:</b>	<b>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 Science 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:</b>	<b>13</b>		<b>Semester Credit Hours:</b>	<b>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:</b>	<b>16</b>		<b>Semester Credit Hours:</b>	<b>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 Elective	BS 4		Electives	7-10
	Elective	3			0
	<b>Semester Credit Hours:</b>	<b>15</b>		<b>Semester Credit Hours:</b>	<b>15</b>
<b>Total Major Requirements</b>					<b>120</b>

**Notes:** All students in the specialization must complete two upper-level biology lab courses, one designated botony 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.