

University of South Dakota  
Major Credit Hour count: 60-62

Major: Neuroscience-Molecular and Cellular Specialization, B.S.

[2021-2022 Academic Catalog]

<u>Year / Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Year / Semester</u>	SGR/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/PSYC 150: Exploring Neuroscience	Major	3	
CHEM 112/L: General Chemistry I	SGR 6+M	4	BIOL 153/L: General Biology II	BS + Major	4	
ENGL 101: Composition I	SGR 1	3	CHEM 114/L: General Chemistry II	BS + Major	4	
PSYC 101: General Psychology	SGR 3+M	3	MATH 123: Calculus I*	SGR 5 + BS	5	
First Year Seminar		1			0	
	<b>Semester Credit Hours:</b>	<b>15</b>		<b>Semester Credit Hours:</b>	<b>16</b>	
<b><u>Second Year - 1st Semester</u></b>			<b><u>Second Year - 2nd Semester</u></b>			
PHYS 111/L: Intro to Physics I or PHYS 211/L	Major	4	PSYC 371: Statistics in Psych Research or BIOL 420/L: Intro to Biostatistics & Comp Bio/Lab	Major	3	
BIOL 280/L: Inquiry & Analysis	Major	2	Major Elective	Major	3	
PSYC 301/L: Sensation & Perception	Major	4	Advanced Composition	SGR 1	3	
CMST 101: Fundamentals of Speech	SGR 2	3	Humanities	SGR 4	3	
ENGL 210: Intro to Literature	BS	3	Social Science	SGR 3	3	
	<b>Semester Credit Hours:</b>	<b>16</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 430: Neurobiology	Major	3	BIOL 445: Cellular Neuroscience	Major	3	
Electives		6	Major Elective	Major	3	
Fine Arts	SGR 4	3	Additional Social Science/Humanities	BS	3	
Additional Social Science/Humanities	BS	3	Electives		6	
	<b>Semester Credit Hours:</b>	<b>15</b>		<b>Semester Credit Hours:</b>	<b>15</b>	
<b><u>Fourth Year - 1st Semester</u></b>			<b><u>Fourth Year - 2nd Semester</u></b>			
NSCI 400: NSCI 400: Neuroscience Journal Club	Major	1	NSCI 489: Neurobehavioral Research Techniques	Major	3	
BIOL 426: Endocrinology	Major	3	BIOL 432: Behavioral Neuroscience	Major	3	
Major Elective	Major	3	Electives		7	
Electives		8			0	
	<b>Semester Credit Hours:</b>	<b>15</b>		<b>Semester Credit Hours:</b>	<b>13</b>	
					<b>Total Major Requirements</b>	<b>120</b>

**Notes:** With the above coursework, student will complete the Interdisciplinary Science Minor. \*MATH 123 Calculus I is strongly encouraged. However, SGR5 + BS requirements can also be fulfilled by taking MATH 121 Survey of Calculus, or a pairing of Math courses (MATH 114 with 104, MATH 103/L with 104, MATH 115 with 104, or MATH 120 with 104).