

The University of South Dakota
Major Credit Hour count: 60-62
Major: Neuroscience-Molecular and Cellular Specialization, B.S.

[2021-2022 Academic Catalog]

<u>First Year - 1st Semester</u>	SGR/Major Requirement	Cr Hrs	<u>First Year - 2nd Semester</u>	SGR/Major Requirement	Cr Hrs
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			
Semester Credit Hours:		15	Semester Credit Hours:		16
<u>Second Year - 1st Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Second Year - 2nd Semester</u>	SGR/Major Requirement	Cr Hrs
PHYS 111/L: Intro to Physics I or PHYS 211/L	Major	4	PSYC 371 or BIOL 420/L	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
Semester Credit Hours:		16	Semester Credit Hours:		15
<u>Third Year - 1st Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Third Year - 2nd Semester</u>	SGR/Major Requirement	Cr Hrs
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
Semester Credit Hours:		15	Semester Credit Hours:		15
<u>Fourth Year - 1st Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Fourth Year - 2nd Semester</u>	SGR/Major Requirement	Cr Hrs
NSCI 400	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			
Semester Credit Hours:		15	Semester Credit Hours:		13
			Total Major Requirements		120

Notes: With the above coursework, student will complete the Interdisciplinary Science Minor.

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).

*MATH 123 Calculus I is strongly encouraged. However,