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

[2018-2019 Academic Catalog]

Year / Semester	SGR/Major Requirement	Cr Hrs
First Year - 1st Semester		
BIOL 151/L General Biology I	SGR 6+M	4
CHEM 112/: General Chemistry I	SGR 6+M	4
ENGL 101 Composition I	SGR 1	3
Mathematics	SGR 5+M	3
First Year Seminar		1
	Semester Credit Hours:	**15**
Second Year - 1st Semester		
BIOL 280/L Inquiry & Analysis	Major	2
CHEM 326/L Organic Chemistry	Major	5
SPCM 101 Fundamentals of Speech	SGR 2	3
Advanced Composition	SGR 1	3
		0
	Semester Credit Hours:	**13**
Third Year - 1st Semester		
BIOL elective	Major	3
BIOL (Cell & Molecular Group)	Major	4
Social Science	SGR 3	3
Additional Social Science/Humanities	BS	3
Elective		3
	Semester Credit Hours:	**16**
Fourth Year - 1st Semester		
BIOL Elective	Major	4
BIOL (Physiology & Function Group)	Major	4
CHEM Minor Elecitve	BS	4
Elective		3
	Semester Credit Hours:	**15**

Year / Semester	SGR/Major Requirement	Cr Hrs
First Year - 2nd Semester		
BIOL 153/L General Biology II	BS + Major	4
CHEM 114/L General Chemistry II	BS + Major	4
ENGL 210 Intro to Literature	BS	3
Mathematics	BS	4
		0
	Semester Credit Hours:	**15**
Second Year - 2nd Semester		
BIOL 471: Genetics	Major	3
Required Chemistry Sequence Course	Major	3
Social Science	SGR 3	3
Humanities	SGR 4	3
Mathematics	BS	3
	Semester Credit Hours:	**15**
Third Year - 2nd Semester		
BIOL (Cell & Molecular Group)	Major	3
BIOL (Physiology & Function Group)	Major	4
Additional Social Science/Humanities	BS	3
Fine Art	SGR 4	3
Elective		3
	Semester Credit Hours:	**16**
Fourth Year - 2nd Semester		
BIOL (Eco & Env Sci, Div, or Evol Grp)	Major	4
BIOL Capstone Group	Major	1-4
Electives		7-10
		0
	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.