The University of South Dakota
Major Credit Hour count: 69
Major: Chemistry - American Chemical Society, B.S.

[2020-2021 Academic Catalog]

Year / Semester	SGR/Major Requirement	Cr Hrs	Year / Semester	SGR/Major Requirement	Cr Hrs
First Year - 1st Semester			**First Year - 2nd Semester**		
ENGL 101 Composition I	SGR1	3	ENGL 210 Introduction to Literature	BS	3
CHEM 112 General Chemistry I or CHEM 116	SGR6 + M	4	CHEM 114 Gen Chem II or CHEM 332	SGR6 + M	4
MATH 123 Calculus	SGR 5+M	5	MATH 125 Calculus II	Major	5
SPCM 101 Fundementals of Speech	SGR 2	3	Social Science	SGR 3	3
	Semester Credit Hours:	**15**		**Semester Credit Hours:**	**15**
Second Year - 1st Semester			**Second Year - 2nd Semester**		
CHEM 326/326L Organic Chemistry	Major	5	CHEM 328/328L Organic Chemistry II	Major	4
PHYS 211/211L University Physics I	Major+BS	5	Elective or CHEM 498 Undergraduate Research	Major	1
Fine Arts	SGR 4	3	PHYS 213/213L University Physics II	Major	5
MATH (Advanced) or PHYS (Advanced)	BS+M	3	CHEM 330 Structure & Function of Biomolecules	Major	3
			Advanced Composition	SGR1	3
	Semester Credit Hours:	**16**		**Semester Credit Hours:**	**16**
Third Year - 1st Semester			**Third Year - 2nd Semester**		
CHEM 442 Physical Chemistry I	Major	3	CHEM 442L Physical Chemistry I Lab	Major	1
Additional Social Science/Humanities	BS	3	CHEM 444 Physical Chemsitry II	Major	3
Minor	BS	6	CHEM 332 Analytical Chem or Elect.	Major	3
Humanities	SGR4	3	Social Science	SGR3	3
			Additional Social Science/Humanities	BS	3
			Minor	BS	3
	Semester Credit Hours:	**15**		**Semester Credit Hours:**	**16**
Fourth Year - 1st Semester			**Fourth Year - 2nd Semester**		
CHEM 434/434L Instrumental Analysis	Major	4	CHEM 429/429L Adv. Chem Charact.	Major	3
CHEM 452 Inorganic Chemistry	Major	4	CHEM 474 Chemical Lit Seminar II	Major	1
CHEM 472 Chemical Literature Seminar I	Major	2	Minor	BS	6
CHEM 498 Undergraduate Research	Major	1	Elective		3
Minor	BS	3			
	Semester Credit Hours:	**14**		**Semester Credit Hours:**	**13**
				Total Major Requirements	**120**

Notes: *The Chemistry Coordinate major is designed for double majors or students on the pre-medical or pre-professional school track.