

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

[2021-2022 Academic Catalog]

First Year - 1st Semester

ENGL 101 Composition I
CHEM 112/112L Gen Chem I or CHEM 116/116L
MATH 123 Calculus
CMST 101 Fundamentals of Speech

Second Year - 1st Semester

CHEM 326/326L Organic Chemistry
PHYS 211/211L University Physics I
Fine Arts
MATH (Advanced) or PHYS (Advanced)

Third Year - 1st Semester

CHEM 442 Physical Chemistry I
CHEM 434/434L Instrumental Analysis
Minor
Humanities

Fourth Year - 1st Semester

Additional Social Science/Humanities
CHEM 452/452L Inorganic Chemistry
CHEM 472 Chemical Literature Seminar I
CHEM 498 Undergraduate Research
Minor

SGR/Major Requirement	Cr Hrs
SGR1	3
SGR6 + M	4
SGR 5+M	5
SGR 2	3

Semester Credit Hours: 15

SGR/Major Requirement	Cr Hrs
Major	4
Major+BS	5
SGR 4	3
Major	3

Semester Credit Hours: 15

SGR/Major Requirement	Cr Hrs
Major	3
Major	4
BS	6
SGR4	3

Semester Credit Hours: 16

SGR/Major Requirement	Cr Hrs
BS	3
Major	4
Major	2
Major	2
BS	3

Semester Credit Hours: 14

First Year - 2nd Semester

ENGL 210 Introduction to Literature
CHEM 114/114L Gen Chem II or CHEM 332/332L
MATH 125 Calculus II
Social Science

Second Year - 2nd Semester

CHEM 328/328L Organic Chemistry II
PHYS 213/213L University Physics II
CHEM 332/332L Analytical Chem
Advanced Composition

Third Year - 2nd Semester

CHEM 442L Physical Chemistry I Lab
CHEM 444 Physical Chemistry II
CHEM 330 Org Chem of Biomolecules
Social Science
Additional Social Science/Humanities
Minor

Fourth Year - 2nd Semester

CHEM 429/429L Adv. Chem Charact.
CHEM 474 Chemical Lit Seminar II
Minor
Electives

SGR/Major Requirement	Cr Hrs
BS	3
SGR6 + M	4
Major	5
SGR 3	3

Semester Credit Hours: 15

SGR/Major Requirement	Cr Hrs
Major	4
Major+BS	5
Major	4
SGR1	3

Semester Credit Hours: 16

SGR/Major Requirement	Cr Hrs
Major	1
Major	3
Major	3
SGR3	3
BS	3
BS	3

Semester Credit Hours: 16

SGR/Major Requirement	Cr Hrs
Major	3
Major	1
BS	6
	3

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.