

The University of South Dakota
Major Credit Hour count: 65-66
Major: Biochemistry, B.S.

[2021-2022 Academic Catalog]

First Year - 1st Semester

ENGL 101 Composition I
BIOL 151/151L General Biology I
CHEM 112/112L Gen Chem I or CHEM 116/116L
MATH 123 Calculus I
FYE First Year Experience

SGR/Major Requirement	Cr Hrs
SGR1	3
SGR6 + M	4
SGR6 + M	4
SGR 5 + M	5
	1
Semester Credit Hours:	17

First Year - 2nd Semester

ENGL 210 Introduction to Literature
BIOL 153/153L General Biology II
CHEM 114/114L Gen Chem II or CHEM 332/332L
MATH 125 Calculus II

SGR/Major Requirement	Cr Hrs
BS	3
BS + M	4
BS + M	4
Major	5
Semester Credit Hours:	16

Second Year - 1st Semester

CHEM 310/310L Fundamental Organic Chemistry
PHYS 111/111L or 211/211L Physics I
CMST 101 Fundamentals of Speech
Social Science

SGR/Major Requirement	Cr Hrs
Major	5
Major	4-5
SGR 2	3
SGR 3	3
Semester Credit Hours:	15-16

Second Year - 2nd Semester

CHEM 330 Organic Chemistry of Biomolecules
PHYS 113/113L or 213/213L Physics II
Minor
Advanced Composition

SGR/Major Requirement	Cr Hrs
Major	3
Major	4-5
BS	3
SGR1	3
Semester Credit Hours:	13-14

Third Year - 1st Semester

CHEM 442 Physical Chemistry I
Social Science
Minor
Humanities
Elective

SGR/Major Requirement	Cr Hrs
Major	3
SGR3	3
BS	3
SGR4	3
	3
Semester Credit Hours:	15

Third Year - 2nd Semester

CHEM 332/332L Analytical Chem or Chem Elective
BIOC 430/431L Biochemistry/Biochem Lab
Fine Arts
Minor

SGR/Major Requirement	Cr Hrs
Major	4
Major	4
SGR 4	3
BS	3
Semester Credit Hours:	14

Fourth Year - 1st Semester

CHEM/BIOL/BIOC Elective
CHEM 472 Chemical Literature Seminar I
Minor
Additional Social Science/Humanities

SGR/Major Requirement	Cr Hrs
Major	4
Major	2
BS	6
BS	3
Semester Credit Hours:	15

Fourth Year - 2nd Semester

CHEM/BIOL/BIOC Elective (If not completed)
CHEM 474 Chemical Lit Seminar II
Minor
Electives
Additional Social Science/Humanities

SGR/Major Requirement	Cr Hrs
Major	4
Major	1
BS	3
	2-4
BS	3
Semester Credit Hours:	13-15

Total Major Requirements 120

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