

The University of South Dakota
Major Credit Hour count: 53-54
Major: Chemistry-Coordinate, B.S.



[2020-2021 Academic Catalog]

| <u>Year / Semester</u> | SGR/Major Requirement | <u>Cr Hrs</u> | <u>Year / Semester</u> | SGR/Major Requirement | <u>Cr Hrs</u> |
|--|-----------------------|---------------|--|-----------------------|---------------|
| <u>First Year - 1st Semester</u> | | | <u>First Year - 2nd Semester</u> | | |
| 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 | SGR5 + M | 5 | MATH 125 Calculus II | Major | 5 |
| SPCM 101 Fundamentals of Speech | SGR2 | 3 | Social Science | SGR3 | 3 |
| A&S 100 First Year Experience | | 1 | | | |
| Semester Credit Hours: | | 16 | Semester Credit Hours: | | 15 |
| <u>Second Year - 1st Semester</u> | | | <u>Second Year - 2nd Semester</u> | | |
| CHEM 310/310L Fundamental Organic Chemistry or | | | CHEM 330 Str.&Func. Biomolecules or | | |
| CHEM 326/326L Organic Chemistry | Major | 5 or 4 | CHEM 328/328L Organic Chemistry | Major | 3 or 4 |
| PHYS 211/211L University Physics I | Major + BS | 5 | PHYS 213/213L University Physics II | Major+BS | 5 |
| Fine Arts | SGR 4 | 3 | Social Science | SGR 3 | 3 |
| Minor | BS | 3 | Advanced Composition | SGR1 | 3 |
| Semester Credit Hours: | | 15-16 | Semester Credit Hours: | | 14-15 |
| <u>Third Year - 1st Semester</u> | | | <u>Third Year - 2nd Semester</u> | | |
| CHEM 442 Physical Chemistry I | Major | 3 | CHEM 332 Analytical Chem/Lab | Major | 3 |
| Additional Social Science/Humanities | BS | 3 | CHEM elective | Major | 3 |
| Minor | BS | 3 | Additional Social Science/Humanities | BS | 3 |
| Humanities | SGR4 | 3 | Minor | BS | 6 |
| Electives | | 3 | | | |
| Semester Credit Hours: | | 15 | Semester Credit Hours: | | 15 |
| <u>Fourth Year - 1st Semester</u> | | | <u>Fourth Year - 2nd Semester</u> | | |
| CHEM Elective | Major | 6 | CHEM 474 Chemical Lit Seminar II | Major | 1 |
| CHEM 472 Chemical Literature Seminar I | Major | 2 | Minor | BS | 3 |
| Minor | BS | 6 | Electives | | 10 |
| Electives | | 1 | | | |
| Semester Credit Hours: | | 15 | Semester Credit Hours: | | 14 |
| Total Major Requirements | | | 120 | | |

