

**The University of South Dakota**  
**Major Credit Hour count: 53-54**  
**Major: Chemistry-Coordinate, 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 I  
CMST 101 Fundamentals of Speech  
First Year Experience

SGR/Major Requirement	Cr Hrs
SGR1	3
SGR6 + M	4
SGR5 + M	5
SGR2	3
	1
<b>Semester Credit Hours:</b>	<b>16</b>

**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

SGR/Major Requirement	Cr Hrs
BS	3
SGR6 + M	4
Major	5
SGR3	3
<b>Semester Credit Hours:</b>	<b>15</b>

**Second Year - 1st Semester**

CHEM 310/310L Fundamental Organic Chemistry or  
CHEM 326/326L Organic Chemistry I  
PHYS 211/211L University Physics I  
Fine Arts  
Minor

SGR/Major Requirement	Cr Hrs
Major	5 or 4
Major + BS	5
SGR 4	3
BS	3
<b>Semester Credit Hours:</b>	<b>15-16</b>

**Second Year - 2nd Semester**

CHEM 330 Org Chem of Biomolecules or  
CHEM 328/328L Organic Chemistry II  
PHYS 213/213L University Physics II  
Social Science  
Advanced Composition

SGR/Major Requirement	Cr Hrs
Major	3 or 4
Major+BS	5
SGR 3	3
SGR1	3
<b>Semester Credit Hours:</b>	<b>14-15</b>

**Third Year - 1st Semester**

CHEM 442 Physical Chemistry I  
Additional Social Science/Humanities  
Minor  
Humanities  
Electives

SGR/Major Requirement	Cr Hrs
Major	3
BS	3
BS	3
SGR4	3
	3
<b>Semester Credit Hours:</b>	<b>15</b>

**Third Year - 2nd Semester**

CHEM 332/332L Analytical Chemistry  
CHEM Elective  
Additional Social Science/Humanities  
Minor

SGR/Major Requirement	Cr Hrs
Major	4
Major	4
BS	3
BS	6
<b>Semester Credit Hours:</b>	<b>17</b>

**Fourth Year - 1st Semester**

CHEM Elective  
CHEM 472 Chemical Literature Seminar I  
Minor  
Electives

SGR/Major Requirement	Cr Hrs
Major	4
Major	2
BS	6
	1
<b>Semester Credit Hours:</b>	<b>13</b>

**Fourth Year - 2nd Semester**

CHEM 474 Chemical Lit Seminar II  
Electives

SGR/Major Requirement	Cr Hrs
Major	1
	12-14
<b>Semester Credit Hours:</b>	<b>13-15</b>

**Total Major Requirements**

**120**

