

The University of South Dakota  
Major Credit Hour count: 79-83  
Major: Medical Biology, B.S.

[2021-2022 Academic Catalog]

**First Year - 1st Semester**

BIOL 151/L: General Biology I  
CHEM 112/L: General Chemistry I  
ENGL 101: Composition I  
CMST 101: Fundamentals of Speech  
First Year Seminar

SGR/Major Requirement	Cr Hrs
SGR 6+M	4
SGR 6+M	4
SGR 1	3
SGR 2	3
	1

**Semester Credit Hours: 15**

**Second Year - 1st Semester**

CHEM 310/L: Fundamental Organic Chemistry  
BIOL 280/L: Inquiry & Analysis  
Advanced Composition  
PSYC 101: General Psychology

SGR/Major Requirement	Cr Hrs
Major	5
Major	2
SGR 1	3
SGR 3+M	3

**Semester Credit Hours: 13**

**Third Year - 1st Semester**

Required Med Bio Elective  
PHYS 111/L: Intro to Physics I  
PHIL 364: Biomedical Ethics  
Humanities  
BIOL 475: Intro to Molecular Biology

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

**Semester Credit Hours: 16**

**Fourth Year - 1st Semester**

PHGY 420: Adv Human Physiology  
Required Med Bio Elective  
Elective or CHEM Minor Elective  
Electives

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

**Semester Credit Hours: 15**

**First Year - 2nd Semester**

BIOL 153/L: General Biology II  
CHEM 114/L: General Chemistry II  
ENGL 210: Intro to Literature  
MATH 123: Calculus I

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

**Semester Credit Hours: 16**

**Second Year - 2nd Semester**

BIOL 443: Cell Biology  
BIOL 471: Genetics  
BIOL 420/L: Intro to Biostats  
SOC 100: Intro to Sociology  
Fine Arts

SGR/Major Requirement	Cr Hrs
Major	3
Major	3
Major	3
SGR 3+M	3
SGR 4	3

**Semester Credit Hours: 15**

**Third Year - 2nd Semester**

BIOL 428: Comp Phgy or BIOL 433 Env.  
PHYS 113/L: Intro to Physics II  
BIOC 430: Principles of Biochemistry  
Additional Social Science/Humanities  
Elective

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

**Semester Credit Hours: 16**

**Fourth Year - 2nd Semester**

ANAT 411: Human Gross Anatomy  
Required Med Bio Elective  
Electives

SGR/Major Requirement	Cr Hrs
Major	4
Major	3
	7

**Semester Credit Hours: 14**

**Total Major Requirements 120**

Notes: In place of CHEM 310/L, students can also take the CHEM 326/L AND 328/L series (Organic Chemistry I & II). With the above coursework, student will complete the Interdisciplinary Science Minor.