

The University of South Dakota
Major Credit Hour count: 49
Major: Mathematics, B.S.

[2021-2022 Academic Catalog]

First Year - 1st Semester

SGR/Major Requirement	Cr Hrs	
ENGL 101 Composition I	SGR 1	3
MATH 123 Calculus I	SGR 5+M	5
Natural Science	SGR 6	4
Social Science	SGR 3	3
First Year Experience		1
Semester Credit Hours:		16

Second Year - 1st Semester

SGR/Major Requirement	Cr Hrs	
MATH 225 Calculus III	Major	4
MATH 412 Linear Algebra	Major	3
PHYS 211/211L University Physics +Lab	SGR 6+M	5
Advanced Composition	SGR 1	3
Semester Credit Hours:		15

Third Year - 1st Semester

SGR/Major Requirement	Cr Hrs	
MATH 413 Abstract Algebra	Major	3
Programming course*	Major	3
Minor	BS	6
Elective		3
Semester Credit Hours:		15

Fourth Year - 1st Semester

SGR/Major Requirement	Cr Hrs	
Math Electives	Major	6
Additional Social Science/Humanities	BS	3
Minor	BS	3
Elective		4
Semester Credit Hours:		16

First Year - 2nd Semester

SGR/Major Requirement	Cr Hrs	
ENGL 210 Introduction to Literature	BS	3
MATH 125/125L Calculus II +Lab	Major	5
CMST 101 Fundamentals of Speech	SGR 2	3
Additional Natural Science	BS	4
Semester Credit Hours:		15

Second Year - 2nd Semester

SGR/Major Requirement	Cr Hrs	
MATH 351 Foundations of Math	Major	3
MATH 321 Differential Equations	Major	3
Humanities	SGR 4	3
Additional Natural Science	BS	3
Fine Arts	SGR 4	3
Semester Credit Hours:		15

Third Year - 2nd Semester

SGR/Major Requirement	Cr Hrs	
MATH 423 Advanced Calculus	Major	3
Math Electives	Major	3
Social Science	SGR 3	3
Additional Social Science/Humanities	BS	3
Minor	BS	3
Semester Credit Hours:		15

Fourth Year - 2nd Semester

SGR/Major Requirement	Cr Hrs	
Math Electives	Major	3
Minor	BS	6
Elective		4
Semester Credit Hours:		13

Total Major Requirements 120

Notes: *CSC 155/L is often taken to fulfil the programming course requirement.