

**The University of South Dakota**  
**Major Credit Hour count: 47**  
**Major: Mathematics, B.S.**

[2018-2019 Academic Catalog]

<u>Year / Semester</u>	SGR/Major Requirement	Cr Hrs	<u>Year / Semester</u>	SGR/Major Requirement	Cr Hrs
<b><u>First Year - 1st Semester</u></b>			<b><u>First Year - 2nd Semester</u></b>		
ENGL 101 Composition I	SGR 1	3	ENGL 210 Introduction to Literature	BS	3
MATH 123/123L Calculus I +Lab	SGR 5+M	5	MATH 125/125L Calculus II +Lab	Major	5
Natural Science	SGR 6	4	SPCM 101 Fundamentals of Speech	SGR 2	3
First Year Experience		1	Additional Natural Science	BS	4
<b>Semester Credit Hours:</b>		<b>13</b>	<b>Semester Credit Hours:</b>		<b>15</b>
<b><u>Second Year - 1st Semester</u></b>			<b><u>Second Year - 2nd Semester</u></b>		
Advanced Composition	SGR 1	3	MATH 351 Foundations of Math	Major	3
MATH 225 Calculus III	Major	4	MATH 321 Differential Equations	Major	3
MATH 412 Linear Algebra	Major	3	Programming course*	Major	3
PHYS 211/211L University Physics +Lab	SGR 6+M	5	Additional Natural Science	BS	3
		0	Fine Arts	SGR 4	3
<b>Semester Credit Hours:</b>		<b>15</b>	<b>Semester Credit Hours:</b>		<b>15</b>
<b><u>Third Year - 1st Semester</u></b>			<b><u>Third Year - 2nd Semester</u></b>		
MATH 413 Abstract Algebra	Major	3	Math Electives	Major	3
Social Science	SGR 3	3	Social Science	SGR 3	3
Humanities	SGR 4	3	Additional Social Science/Humanities	BS	3
Minor	BS	6	Minor	BS	3
		0	MATH 423 Advanced Calculus	Major	3
<b>Semester Credit Hours:</b>		<b>15</b>	<b>Semester Credit Hours:</b>		<b>15</b>
<b><u>Fourth Year - 1st Semester</u></b>			<b><u>Fourth Year - 2nd Semester</u></b>		
Math Electives	Major	3	Math Electives	Major	3
Additional Social Science/Humanities	BS	3	MATH 488 Capstone	Major	1
Minor	BS	3	Minor	BS	6
Elective		7	Elective		6
<b>Semester Credit Hours:</b>		<b>16</b>	<b>Semester Credit Hours:</b>		<b>16</b>
			<b>Total Major Requirements</b>		<b>120</b>

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