

# 4 Year Plan – Mathematics & Comp. Sci. Ed. – Odd Year Start

<b>Every Fall:</b> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II (online) MATH 225 Calculus III MATH 281 Introduction to Statistics MATH 351 Foundations of Mathematics CSC 150 Computer Science I CSC 215 Programming Techniques CENG 244/L Intro to Digital Systems* CSC 315 Data Structures & Algorithms CSC 340 Software Engineering & Design*	<b>Every Spring:</b> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 225 Calculus III (online) MATH 281 Introduction to Statistics CSC 210 C++ Intro for Programmers CSC 215 Programming Techniques CENG 244/L Intro to Digital Systems* CSC 315 Data Structures & Algorithms CSC 340 Software Engineering & Design*	<b>Online Courses</b> <b>Every Fall, Spring, and Summer</b> <i>MATH 101 Intermediate Algebra</i> <i>MATH 103 Mathematical Reasoning</i> <i>MATH 114 College Algebra</i> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 281 Introduction to Statistics  MATH 225 Calculus III (spring and summer only)
<b>Odd Fall:</b> CSC 415 Introduction to Robotics	<b>Even Spring:</b> MATH 413 Abstract Algebra I**	<i>Note: Courses in italics are not a part of the Mathematics major</i>
<b>Even Fall:</b>	<b>Odd Spring:</b> MATH 361 Modern Geometry MATH 423 Advanced Calculus I**	

## Freshman start on odd year Fall – 4 Yr Plan

Freshman Fall (odd year) – 16-17 credits	Freshman Spring (even year) – 17-18 credits
MATH 123 Calculus I (4)	MATH 125 Calculus II (4)
MATH 281 Introduction to Statistics (3)	CSC 210 C++ Intro for Programmers (1)
CSC 150 Computer Science I (3)	CMST 101 Fundamentals of Speech (3)
ENGL 101 Composition I (3)	ENGL 201 Composition II (3)
Natural Science gen ed w/lab (3-4)	PSYC 101 General Psychology (3)
GS 100 University Experience (1)	Natural Science gen ed w/lab (3-4)
<b>Sophomore Fall (even year) – 17 credits</b>	
MATH 225 Calculus III (4)	MATH 361 Modern Geometry (3)
MATH 351 Foundations of Mathematics (3)	MATH 423 Advanced Calculus I** (3)
<OR>	CSC 315 Data Structures & Algorithms (4)
CSC 251 Finite Structures (3)	CSC 340 Software Engineering & Design* (3)
CSC 215 Programming Techniques (4)	EDFN 295 Practicum: Pre-Admission (1)
CENG 244/L Intro to Digital Systems* (3)	EDFN 338 Foundations of Am. Education (2)
Arts & Humanities gen ed (3)	EPSY 302 Educational Psychology (3)
<i>Submit Application to the Professional Teacher Program</i>	
<b>Junior Fall (odd year) – 15 credits</b>	
CSC 415 Introduction to Robotics (3)	MATH 413 Abstract Algebra I** (3)
Social Science gen ed (3)	Arts & Humanities gen ed (3)
EPSY 428 Child & Adolescent Development (3)	INED 411 SD Indian Studies (3)
SPED 100 Intro to Persons with Exceptionalities (3)	EDFN 365 Computer-Based Tech/Lrng*** (3)
Free elective (3)	EDFN 475 Human Relations (3)
<b>Senior Fall (even year) – 16 credits</b>	
MLED 480 Middle Level Methods*** (2)	SEED 488 7-12 Student Teaching*** (9)
SEED 408 The Diverse 7-12 Classroom*** (3)	EDFN 375 Methods of Tech. Integration*** (1)
SEED 495 Practicum: Pre-Student Teaching*** (1)	
SEED 450 Teaching Reading in Content Lit*** (3)	
SEED 416 5-12 Career/Tech Ed Methods*** (3)	
SEED 418 7-12 Math Methods*** (3)	
EDFN 440 Classroom Management*** (1)	

**SDSM&T Course**

*Courses need to be taken together*

\* Only one of these two courses is required

\*\* Only one of these two courses is required

\*\*\* Admitted to Teacher Education required for enrollment

# 4 Year Plan – Mathematics & Comp. Sci. Ed. – Even Year Start

<b>Every Fall:</b> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II (online) MATH 225 Calculus III MATH 281 Introduction to Statistics MATH 351 Foundations of Mathematics CSC 150 Computer Science I CSC 215 Programming Techniques CENG 244/L Intro to Digital Systems* CSC 315 Data Structures & Algorithms CSC 340 Software Engineering & Design*	<b>Every Spring:</b> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 225 Calculus III (online) MATH 281 Introduction to Statistics CSC 210 C++ Intro for Programmers CSC 215 Programming Techniques CENG 244/L Intro to Digital Systems* CSC 315 Data Structures & Algorithms CSC 340 Software Engineering & Design*	<b>Online Courses</b> <b>Every Fall, Spring, and Summer</b> <i>MATH 101 Intermediate Algebra</i> <i>MATH 103 Mathematical Reasoning</i> <i>MATH 114 College Algebra</i> <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 281 Introduction to Statistics  MATH 225 Calculus III (spring and summer only)
<b>Odd Fall:</b> CSC 415 Introduction to Robotics	<b>Even Spring:</b> MATH 413 Abstract Algebra I**	<i>Note: Courses in italics are not a part of the Mathematics major</i>
<b>Even Fall:</b>	<b>Odd Spring:</b> MATH 361 Modern Geometry MATH 423 Advanced Calculus I**	

## Freshman start on even year Fall – 4 Yr Plan

Freshman Fall (even year) – 17-18 credits	Freshman Spring (odd year) – 17-18 credits
MATH 123 Calculus I (4)	MATH 125 Calculus II (4)
MATH 281 Introduction to Statistics (3)	CSC 210 C++ Intro for Programmers (1)
CSC 150 Computer Science I (3)	CMST 101 Fundamentals of Speech (3)
ENGL 101 Composition I (3)	ENGL 201 Composition II (3)
Natural Science gen ed w/lab (3-4)	PSYC 101 General Psychology (3)
GS 100 University Experience (1)	Natural Science gen ed w/lab (3-4)
Sophomore Fall (odd year) – 17 credits	Sophomore Spring (even year) – 15 credits
MATH 225 Calculus III (4)	MATH 413 Abstract Algebra I** (3)
MATH 351 Foundations of Mathematics (3)	CSC 315 Data Structures & Algorithms (4)
<OR>	CSC 340 Software Engineering & Design* (3)
CSC 251 Finite Structures (3)	EDFN 295 Practicum: Pre-Admission (1)
CSC 215 Programming Techniques (4)	EDFN 338 Foundations of Am. Education (2)
CENG 244/L Intro to Digital Systems* (3)	EPSY 302 Educational Psychology (3)
Arts & Humanities elective (3)	
<i>Submit Application to the Professional Teacher Program</i>	
Junior Fall (even year) – 15 credits	Junior Spring (odd year) – 15-18 credits
EPSY 428 Child & Adolescent Development (3)	MATH 361 Modern Geometry (3)
SPED 100 Intro to Persons with Exceptionalities (3)	MATH 423 Advanced Calculus I** (3)
SEED 416 5-12 Career/Tech Ed Methods*** (3)	Arts & Humanities gen ed (3)
EDFN 475 Human Relations (3)	EDFN 365 Computer-Based Tech/Lrng*** (3)
Social Science gen ed (3)	INED 411 SD Indian Studies (3)
	Free Elective (3)
Senior Fall (odd year) – 16 credits	Senior Spring (even year) – 10 credits
CSC 415 Introduction to Robotics (3)	SEED 488 7-12 Student Teaching*** (9)
MLED 480 Middle Level Methods*** (2)	EDFN 375 Methods of Tech. Integration*** (1)
SEED 408 The Diverse 7-12 Classroom*** (3)	
SEED 495 Practicum: Pre-Student Teaching*** (1)	
SEED 450 Teaching Reading in Content Lit*** (3)	
SEED 418 7-12 Math Methods*** (3)	
EDFN 440 Classroom Management*** (1)	

**SDSM&T Course**

**Courses need to be taken together**

\* Only one of these two courses is required

\*\* Only one of these two courses is required

\*\*\* Admitted to Teacher Education required for enrollment