

4 Year Plan – Mathematics Education – Odd Year Start

Every Fall: <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	Every Spring: <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 225 Calculus III (online) MATH 281 Introduction to Statistics	Online Courses Every Fall, Spring, and Summer <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) <i>Note: Courses in italics are not a part of the Mathematics major</i>
Odd Fall: (see elective list below) MATH 321 Differential Equations	Even Spring: MATH 413 Abstract Algebra I MATH 481 Probability and Statistics MATH Elective	
Even Fall: MATH Elective	Odd Spring: MATH 315 Linear Algebra MATH 423 Advanced Calculus I MATH 361 Modern Geometry	
Even Fall – MATH Electives (one offered each even Fall) MATH 316 Discrete Mathematics MATH 411 Theory of Numbers MATH 450 History of Mathematics		Even Spring – MATH Electives (one offered each even Spring) MATH 416 Combinatorics MATH 440 Mathematics of Finance MATH 461 Introduction to Topology MATH 421 Complex Analysis

Freshman start on odd year Fall – 4 Yr Plan (3 Year Plan for Mathematics Content Courses)

Freshman Fall (odd year) – 17-18 credits		Freshman Spring (even year) – 16-17 credits	
MATH 123 Calculus I (4)		MATH 125 Calculus II (4)	
MATH 281 Introduction to Statistics (3)		CMST 101 Fundamentals of Speech (3)	
CSC 150 Computer Science I (3)		ENGL 201 Composition II (3)	
ENGL 101 Composition I (3)		PSYC 101 General Psychology (3)	
Natural Science gen ed w/lab (3-4)		Natural Science gen ed w/lab (3-4)	
GS 100 University Experience (1)			
Sophomore Fall (even year) – 16 credits		Sophomore Spring (odd year) – 15 credits	
MATH 225 Calculus III (4)		MATH 315 Linear Algebra (3)	
MATH 351 Foundations of Mathematics (3)		MATH 423 Advanced Calculus I (3)	
MATH Elective* (3)		MATH 361 Modern Geometry (3)	
Social Science gen ed (3)		EDFN 295 Practicum: Pre-Admission (1)	
Arts & Humanities gen ed (3)		EDFN 338 Foundations of Am. Education (2)	
		EPSY 302 Educational Psychology (3)	
<i>Submit Application to the Professional Teacher Program</i>			
Junior Fall (odd year) – 15 credits		Junior Spring (even year) – 15 credits	
MATH 321 Differential Equations (3)		MATH 413 Abstract Algebra I (3)	
EPSY 428 Child & Adolescent Development (3)		MATH 481 Probability and Statistics (3)	
SPED 100 Intro to Persons with Exceptionalities (3)		MATH Elective* (3)	
Arts & Humanities gen ed (3)		EDFN 365 Computer-Based Tech & Lrng** (3)	
Free Elective (3)		INED 411 SD Indian Studies (3)	
Senior Fall (even year) – 16 credits		Senior Spring (odd year) – 10 credits	
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 418 7-12 Math Methods** (3)			
EDFN 440 Classroom Management** (1)			
EDFN 475 Human Relations** (3)		Courses need to be taken together	

* Professional Electives – Mathematics Education Majors need two professional electives

** Admitted to Teacher Education required for enrollment

4 Year Plan – Mathematics Education – Even Year Start

Every Fall: <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	Every Spring: <i>MATH 120 Trigonometry</i> MATH 123 Calculus I MATH 125 Calculus II MATH 225 Calculus III (online) MATH 281 Introduction to Statistics	Online Courses Every Fall, Spring, and Summer <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) <i>Note: Courses in italics are not a part of the Mathematics major</i>
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Even Fall: MATH Elective	Odd Spring: MATH 315 Linear Algebra MATH 423 Advanced Calculus I MATH 361 Modern Geometry	
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Freshman start on even year Fall – 4 Yr Plan (3 Year Plan for Mathematics Content Courses)

Freshman Fall (even year) – 17-18 credits MATH 123 Calculus I (4) MATH 281 Introduction to Statistics (3) CSC 150 Computer Science I (3) ENGL 101 Composition I (3) Natural Science gen ed w/lab (3-4) GS 100 University Experience (1)	Freshman Spring (odd year) – 16-17 credits MATH 125 Calculus II (4) CMST 101 Fundamentals of Speech (3) ENGL 201 Composition II (3) PSYC 101 General Psychology (3) Natural Science gen ed w/lab (3-4)
Sophomore Fall (odd year) – 16 credits MATH 225 Calculus III (4) MATH 351 Foundations of Mathematics (3) MATH 321 Differential Equations (3) Social Science elective (3) Arts & Humanities elective (3)	Sophomore Spring (even year) – 15 credits MATH 413 Abstract Algebra I (3) MATH 481 Probability and Statistics (3) MATH Elective* (3) EDFN 295 Practicum: Pre-Admission (1) EDFN 338 Foundations of Am. Education (2) EPSY 302 Educational Psychology (3)
Submit Application to the Professional Teacher Program	
Junior Fall (even year) – 15 credits MATH Elective* (3) EPSY 428 Child & Adolescent Development (3) SPED 100 Intro to Persons with Exceptionalities (3) Arts & Humanities gen ed (3) Free Elective (3)	Junior Spring (odd year) – 15 credits MATH 315 Linear Algebra (3) MATH 423 Advanced Calculus I (3) MATH 361 Modern Geometry (3) EDFN 365 Computer-Based Tech. & Lrng (3) INED 411 SD Indian Studies (3)
Senior Fall (odd year) – 16 credits MLED 480 Middle Level Methods** (2) 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) EDFN 475 Human Relations** (3)	Senior Spring (even year) – 10 credits SEED 488 7-12 Student Teaching (9) EDFN 375 Methods of Tech. Integration (1) Courses need to be taken together

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