

MATHEMATICS (6-12) ENDORSEMENT

Code	Title	Credits
MATH 1950	CALCULUS I	5
MATH 1960	CALCULUS II	4
MATH 1970	CALCULUS III	4
MATH 2230	INTRODUCTION TO ABSTRACT MATH	3
MATH 3640	MODERN GEOMETRY	3
MATH 3850	HISTORY OF MATHEMATICS	3
MATH 4030	MODERN ALGEBRA	3
MATH 2200	MATHEMATICAL COMPUTING I	3
or MATH 3250	INTRODUCTION TO NUMERICAL METHODS	
MATH 4740	INTRODUCTION TO PROBABILITY AND STATISTICS I	3
Choose three of the courses below:		9
MATH 2050	APPLIED LINEAR ALGEBRA	
MATH 2350	DIFFERENTIAL EQUATIONS	
MATH 3100	APPLIED COMBINATORICS	
MATH 3200	MATHEMATICAL COMPUTING II	
MATH 3230	INTRODUCTION TO ANALYSIS	
MATH 4050	LINEAR ALGEBRA	
MATH 4200	NUMERICAL METHODS	
MATH 4400	THE FINITE ELEMENT METHOD	
MATH 4560	NUMBER THEORY & CRYPTOGRAPHY	
MATH 4610	INTRODUCTION TO TOPOLOGY	

Total Credits 40

Candidates must have satisfactorily completed all required coursework prior to clinical practice.

A minimum grade of "C" must be earned in all certification requirements, endorsements, and concentrations. All grades of incomplete and any grades below "C" in these specific requirements must be removed prior to clinical practice. Candidates are responsible for contacting their advisor regarding said grades.

For courses in this major/ endorsement that require a grade of C or higher, CR/ NC is not permissible.

Candidates must have a minimum cumulative GPA of 2.75 or higher in order to be eligible for clinical practice.

Freshman

Fall	Credits
ENGL 1150 ENGLISH COMPOSITION I	3
MATH 1950 CALCULUS I	5
Social Science	3
Humanities and Fine Arts	3
Attend Welcome Week events; other campus events	
Advising appointment for spring: Sept. - Oct.	
Note: ENGL 1150, ENGL 1160, CMST 1110 or 2120, and approved math (Quantitative Literacy) course should be taken and passed in the first academic year	

Credits 14

Spring

ENGL 1160 ENGLISH COMPOSITION II	3
CMST 1110 PUBLIC SPEAKING FUNDS	3
MATH 1960 CALCULUS II	4

Natural/Physical Science with Lab	4-5
Advising appointment for fall: February - March	
Join a student organization	
Make a plan to take the Praxis Core	
MUST establish 2.5+ NU GPA in order to enroll in TED 2100 for fall semester	

Credits 14-15

Sophomore

Fall

TED 2100 EDUCATIONAL FOUNDATIONS	3
MATH 1970 CALCULUS III	4
MATH 2230 INTRODUCTION TO ABSTRACT MATH	3
MATH 2200 MATHEMATICAL COMPUTING I	3
or MATH 3250 or INTRODUCTION TO NUMERICAL METHODS	

Social Science 3

Advising appointment for spring: Sept. - Oct.

Identify professional organization to get involved with. Begin resume development.

Credits 16

Spring

TED 2200 HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS	3
MATH 3850 HISTORY OF MATHEMATICS	3
MATH 4560 NUMBER THEORY & CRYPTOGRAPHY	3
or MATH 3230 or INTRODUCTION TO ANALYSIS	

Humanities and Fine Arts 3

Social Science 3

Elective for Degree 3

May be taken over the summer, amount of credits depends on previous courses- please talk to your advisor.

Advising appointment for fall: February - March

Apply to Educator Preparation Program by March 1 or June 1 deadline.

Credits 18

Junior

Fall

TED 2380 DEVELOPMENT AND LEARNING IN ADOLESCENCE	3
TED 2400 PLANNING FOR EFFECTIVE TEACHING	6
MATH 4030 MODERN ALGEBRA	3

Choose one of the following courses:

MATH 2050 APPLIED LINEAR ALGEBRA	
MATH 2350 DIFFERENTIAL EQUATIONS	
MATH 3100 APPLIED COMBINATORICS	
MATH 3200 MATHEMATICAL COMPUTING II	
MATH 3230 INTRODUCTION TO ANALYSIS	
MATH 4050 LINEAR ALGEBRA	
MATH 4200 NUMERICAL METHODS	
MATH 4400 THE FINITE ELEMENT METHOD	
MATH 4560 NUMBER THEORY & CRYPTOGRAPHY	
MATH 4610 INTRODUCTION TO TOPOLOGY	

Advising appointment for spring: Sept. - Oct.

MUST attempt PRAXIS Core by January 10th and have 2.75 minimum NU GPA to progress in Educator Preparation Program.

Credits 12

Spring

TED 3550	SECONDARY CLASSROOM MANAGEMENT	3
TED 3690	LITERACY AND LEARNING	3
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES	3
Elective for degree		3
Natural/Physical Science without lab		3
Advising appointment for fall: February - March		
Credits		15

Senior**Fall**

TED 4000	SPECIAL METHODS IN THE CONTENT AREA	3
MATH 3640	MODERN GEOMETRY	3
Choose two of the following courses:		6
MATH 2050	APPLIED LINEAR ALGEBRA	
MATH 2350	DIFFERENTIAL EQUATIONS	
MATH 3100	APPLIED COMBINATORICS	
MATH 3200	MATHEMATICAL COMPUTING II	
MATH 3230	INTRODUCTION TO ANALYSIS	
MATH 4050	LINEAR ALGEBRA	
MATH 4200	NUMERICAL METHODS	
MATH 4400	THE FINITE ELEMENT METHOD	
MATH 4560	NUMBER THEORY & CRYPTOGRAPHY	
MATH 4610	INTRODUCTION TO TOPOLOGY	
Humanities and Fine Arts with Global Diversity		3
Elective for Degree		3
Take Praxis II- Math Content Knowledge #5161		
Advising appointment for spring: Sept. - Oct.		
Apply for clinical practice at beginning of fall term.		
Credits		18

Spring

Clinical Practice		12
Apply for graduation		
Credits		12
Total Credits		119-120

This roadmap is a suggested plan of study and does not replace meeting with an advisor. Please note that students may need to adjust the actual sequence of courses based on course availability. Please consult an advisor in your major program for further guidance.

This plan is not a contract and curriculum is subject to change

Additional Information About this Plan:

University Degree Requirements: The minimum number of hours for a UNO undergraduate degree is 120 credit hours. Please review the requirements for your specific program to determine all requirements for the program. In order to graduate on-time (four years for an undergraduate degree), you need to take 30 hours each year. Information found in this document is based on the 2023-2024 catalog.

Placement Exams: For Math, English, Foreign Language, a placement exam may be required. More information on these exams can be found at <https://www.unomaha.edu/enrollment-management/testing-center/placement-exams/information.php>

**Transfer credit or placement exam scores may change suggested plan of study

GPA Requirements:

2.5 minimum GPA to remain in College of Education, 2.5 minimum GPA to apply to Educator Preparation Program, 2.75 minimum GPA to progress in Educator Preparation Program

Professional education course: a grade of C or higher is required to pass the class

Graduation Requirements: 2.75 minimum NU GPA