

MATHEMATICS (6-12) ENDORSEMENT

Secondary Education, Bachelor Science in Education - Mathematics (6-12) Endorsement Requirements

Code	Title	Credits
GENERAL EDUCATION REQUIREMENTS - 34 Hours Required		
Minimum of "C-" required		
Fundamental Skills		15
Writing – 6 hrs.		
ENGL 1150	ENGLISH COMPOSITION I	
ENGL 1160	COLLEGE RESEARCH AND INFORMATION LITERACY	
Oral Communication – 3 hrs.		
CMST 1110	PUBLIC SPEAKING FUNDS	
or CMST 2120	ARGUMENTATION AND DEBATE	
Quantitative Literacy – 3 hrs.		
MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING	
or MATH 1130	QUANTITATIVE LITERACY	
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS	
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT	
Data Literacy – 3 hrs.		
Select one from the following:		
STAT 1100	DATA LITERACY AND VISUALIZATION	
STAT 1530	ELEMENTARY STATISTICS	
Until Fall 2028, students can satisfy this requirement with an approved data literacy course, or any approved natural or social science general education course.		
Breadth of Knowledge		13
Social Science - 3 hrs		
Humanities - 3 hrs		
Natural & Physical Science (must complete a lab) – 4 hrs.		
Arts - 3 hrs		
Individual and Social Responsibility		6
Cultural Knowledge - 3 hrs		
Civic Knowledge and Engagement - 3 hrs		
MAJOR REQUIREMENTS - 79 Hours Required		
**Course will satisfy UNO's General Education requirement		
^Course requires pre-requisite(s)		
All of the following:		39
TED 2100	EDUCATIONAL FOUNDATIONS (^)	
TED 2200	HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS (** ^)	
or TED 2060	EQUITY, LANGUAGE, AND CULTURAL LITERACY	
TED 2380	DEVELOPMENT AND LEARNING IN ADOLESCENCE (^)	
TED 2400	PLANNING FOR EFFECTIVE TEACHING (^)	
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES (^)	

TED 3550	SECONDARY CLASSROOM MANAGEMENT (^)	
TED 3690	LITERACY AND LEARNING (^)	
TED 4000	SPECIAL METHODS IN THE CONTENT AREA (^)	
TED 4600	CLINICAL PRACTICE AND SEMINAR: ELEMENTARY OR SECONDARY LEVEL (^)	
Math Endorsement required courses - 40 Hours		
All of the following:		37
MATH 1950	CALCULUS I (^)	
MATH 1960	CALCULUS II (^)	
MATH 1970	CALCULUS III (^)	
MATH 2230	INTRODUCTION TO ABSTRACT MATH (^)	
MATH 3640	MODERN GEOMETRY (^)	
MATH 3850	HISTORY OF MATHEMATICS (^)	
MATH 4030	MODERN ALGEBRA (^)	
MATH 2200	MATHEMATICAL COMPUTING I (^)	
or MTCH 2020	NUMBER SENSE, ALGEBRA, AND GEOMETRY FOR MIDDLE SCHOOL EDUCATION	
MATH 4740	INTRODUCTION TO PROBABILITY AND STATISTICS I (^)	
MATH 2050	APPLIED LINEAR ALGEBRA (^)	
Select one of the courses below		3
MATH 3230	INTRODUCTION TO ANALYSIS (^)	
MATH 2350	DIFFERENTIAL EQUATIONS (^)	
MATH 3100	APPLIED COMBINATORICS (^)	
MATH 3200	MATHEMATICAL COMPUTING II	
MATH 4050	LINEAR ALGEBRA	
MATH 4560	NUMBER THEORY & CRYPTOGRAPHY	
ELECTIVES		
Elective hours as required to reach a total of 120 hours		
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.		
Secondary Education, Bachelor Science in Education - Mathematics (6-12) Endorsement Four Year Plan		
Freshman		
Fall		Credits
ENGL 1150	ENGLISH COMPOSITION I	3
MATH 1950	CALCULUS I	5
Social Science		3
Humanities		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	COLLEGE RESEARCH AND INFORMATION LITERACY	3
CMST 1110 or CMST 2120	PUBLIC SPEAKING FUNDS or ARGUMENTATION AND DEBATE	3
MATH 1960	CALCULUS II	4
Natural/Physical Science with Lab		4
Advising appointment for fall: February - March		
Join a student organization		
MUST establish 2.0+ NU GPA in order to enroll in TED 2100 for fall semester		
Credits		14
Sophomore		
Fall		
TED 2100	EDUCATIONAL FOUNDATIONS	3
MATH 1970	CALCULUS III	4
MATH 2230	INTRODUCTION TO ABSTRACT MATH	3
MATH 2200 or MTCH 2020	MATHEMATICAL COMPUTING I or NUMBER SENSE, ALGEBRA, AND GEOMETRY FOR MIDDLE SCHOOL EDUCATION	3
Advising appointment for spring: Sept. - Oct.		
Identify professional organization to get involved with. Begin resume development.		
Credits		13
Spring		
TED 2200 or TED 2060	HUMAN RELATIONS FOR BIAS-FREE CLASSROOMS or EQUITY, LANGUAGE, AND CULTURAL LITERACY	3
MATH 2050	APPLIED LINEAR ALGEBRA	3
Arts		3
Elective		3
Civic Knowledge and Engagement		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		15
Junior		
Fall		
TED 2380	DEVELOPMENT AND LEARNING IN ADOLESCENCE	3
TED 2400	PLANNING FOR EFFECTIVE TEACHING	6
Data Literacy		3
Choose one of the following courses:		3
MATH 3230	INTRODUCTION TO ANALYSIS	
MATH 2350	DIFFERENTIAL EQUATIONS	
MATH 3100	APPLIED COMBINATORICS	
MATH 3200	MATHEMATICAL COMPUTING II	
MATH 4050	LINEAR ALGEBRA	
MATH 4560	NUMBER THEORY & CRYPTOGRAPHY	
Advising appointment for spring: Sept. - Oct.		

MUST by January 10th have 2.75 minimum NU GPA to progress in Educator Preparation Program.		
Credits		15
Spring		
TED 3550	SECONDARY CLASSROOM MANAGEMENT	3
TED 3690	LITERACY AND LEARNING	3
MATH 3850	HISTORY OF MATHEMATICS	3
MATH 4030	MODERN ALGEBRA	3
Cultural Knowledge		3
Advising appointment for fall: February - March		
Credits		15
Summer		
SPED 3800	DIFFERENTIATION AND INCLUSIVE PRACTICES	3
Elective		4
Credits		7
Senior		
Fall		
TED 4000	SPECIAL METHODS IN THE CONTENT AREA	3
MATH 3640	MODERN GEOMETRY	3
MATH 4740	INTRODUCTION TO PROBABILITY AND STATISTICS I	3
Elective for Degree		3
Elective		3
Take Praxis II- Math Content Knowledge #5165		
Advising appointment for spring: Sept. - Oct.		
Apply for clinical practice at beginning of fall term.		
Credits		15
Spring		
Clinical Practice		12
Apply for graduation		
Credits		12
Total Credits		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 2025-2026 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