

# MATHEMATICS, BACHELOR OF ARTS

## Mathematics, Bachelor of Arts Requirements

**Code Title Credits**  
**GENERAL EDUCATION REQUIREMENTS - 46 Hours Required**

Minimum of "C-"required

**Fundamental Academic Skills 15**

ENGL 1150	ENGLISH COMPOSITION I
ENGL 1160	ENGLISH COMPOSITION II

Writing in the Discipline Course

CMST 1110	PUBLIC SPEAKING FUNDS
or CMST 2120	ARGUMENTATION AND DEBATE

MATH 1120	INTRODUCTION TO MATHEMATICAL AND COMPUTATIONAL THINKING
or MATH 1100	DATA LITERACY AND VISUALIZATION
or MATH 1130	QUANTITATIVE LITERACY
or MATH 1140	QUANTITATIVE REASONING FOR HEALTHCARE PROFESSIONALS
or MATH 1300	COLLEGE ALGEBRA WITH SUPPORT
or STAT 1100	DATA LITERACY AND VISUALIZATION
or STAT 1530	ELEMENTARY STATISTICS

**Distribution Requirements 31**

Natural Science - From two disciplines and at least one lab - 7 hrs
Social Science - From two disciplines - 9 hrs
Humanities and Fine Arts - From two disciplines- 9 hrs
Global Diversity - 3 hrs
US Diversity - 3 hrs

**MAJOR REQUIREMENTS**

\*\*Course will satisfy UNO's General Education requirement

^Course requires pre-requisite(s)

**Mathematics Bachelor of Arts - 46 Hours Required**

**Required Coursework 25**

MATH 1950	CALCULUS I (^)
MATH 1960	CALCULUS II
MATH 1970	CALCULUS III
MATH 2050	APPLIED LINEAR ALGEBRA
MATH 2230	INTRODUCTION TO ABSTRACT MATH
MATH 2350	DIFFERENTIAL EQUATIONS
MATH 3230	INTRODUCTION TO ANALYSIS

**Select one of the following 3**

CIST 1400	INTRODUCTION TO COMPUTER SCIENCE I
MATH 2200	MATHEMATICAL COMPUTING I
MATH 3250	INTRODUCTION TO NUMERICAL METHODS

**An additional 18 credits of approved 3000/4000 Level MATH/STAT courses, which must include at least 9 credits at the 4000 Level 18**

**College Breadth (choose one option) 15-30+**

Option 1: Complete any UNO minor or undergraduate certificate - 15+ hours

Option 2: Additional General Education Requirements - 19+ hours

Additional quantitative literacy - 3 hours

Additional Social Science Gen. Ed. from 3rd Discipline - 3 hours

Additional Humanities Gen. Ed. from 3rd Discipline - 3 hours

HIST 1000 and HIST 1010 - 6 hours

Additional Nat. and Physical Science w/ Lab - 4-5 hours

Option 3: CAS comprehensive major (50+ hours) OR any second UNO major (30+ hours)

**Bachelor of Arts Language Requirement 16**

FREN, GERM, Or SPAN, 1110\*\*, 1120, 2110, 2120

**ELECTIVES**

Elective hours as required to reach a total of 120 hours

## Mathematics, Bachelor of Arts Concentrations

- Applied and Computational Mathematics (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/applied-computations-math-conc/>)
- Data Science (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/data-science-conc/>)
- Mathematics Education (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/math-ed-conc/>)
- Operations Research (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/operations-research-conc/>)
- Pre-Actuarial Mathematics (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/preactuarial-math-conc/>)
- Pure Mathematics (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/pure-math-conc/>)
- Statistics (<http://catalog.unomaha.edu/undergraduate/college-arts-sciences/mathematics/mathematics-ba/statistics-conc/>)