

MATHEMATICS, BACHELOR OF ARTS

Mathematics, Bachelor of Arts 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 | | |
| **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 - 18+ hours

Additional quantitative literacy - 3 hours

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

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

HIST 1000 and HIST 1010 - 6 hours

Additional Nat. and Physical Science w/ or without Lab - 3-5 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/>)