



Degree Requirements Checklist

Bachelor of Arts in Mathematics, Mathematics for Teaching Concentration

Core Class Requirement: (11 courses, taken by all concentrations)

- MATH 140 - Calculus I
- MATH 141 - Calculus II
- MATH 242 - Multivariable and Vector Calculus
- MATH 260 - Linear Algebra
- MATH 265 - Discrete Structures in Mathematics
- MATH 270 - Applied Ordinary Differential Equations
- MATH 291 - Mathematical Software
- MATH 314 - Introduction to Proofs
- MATH 345 - Probability and Statistics
- PHYSIC 113 - Fundamentals of Physics I
- CS 110 - Introduction to Computer Programming

Concentration Requirement: (6 courses, taken for this concentration)

- MATH 360 - Abstract Algebra I
- MATH 370 - History of Mathematics
- MATH 458 - Theory of Numbers
- MATH 460 - Topics in Geometry
- Mathematics 300+ Elective #1: MATH__ __ __
- Mathematics 300+ Elective #2: MATH__ __ __

General Requirements:

- C Average Requirement:** Minimum of 2.0 GPA in the major
(only includes courses taken at UMB)
- Pass/Fail Requirement:** No required courses taken as pass/fail
- Residency Requirement:** At least four (4) Mathematics courses at the 300-level or higher taken at UMB
- Capstone Requirement:** At least one (1) Mathematics course from MATH 420 through MATH 499 must be taken.