Sample Four-Year Plan for Math for Teaching Concentration (BA)
For mathematics students who declared major in Spring 2020 or after

	Fall Semester	Spring Semester
Freshman Year	Math 140 – 4 cr CS 110 – 4 cr English 101 – 3 cr First Year Seminar – 4 cr (15 credits)	Math 141 – 4 cr Math 260 – 3 cr Physics 113 – 4 cr English 102 – 3 cr (14 credits)
Sophomore Year	Math 242 – 4 cr * Math 291 – 3 cr Intermediate Seminar – 3 cr General Education – 3 cr General Education – 3 cr (16 credits)	* Math 265 – 3 cr Math 270 – 3 cr General Education – 3 cr General Education – 3 cr Elective – 3 cr (15 credits)
Junior Year †	* Math 314 – 3 cr * Math 360 – 3 cr General Education– 3 cr General Education – 3 cr Elective – 3 cr (15 credits)	Math 345 – 3 cr * Math 370 – 3 cr General Education – 3 cr General Education – 3 cr Elective – 3 cr (15 credits)
Senior Year	* Math 460 – 3 cr Math 300+ Elective – 3 cr General Education – 3 cr Elective – 3 cr Elective – 3 cr (15 credits)	* Math 458 – 3 cr Math 300+ Elective – 3 cr General Education – 3 cr Elective – 3 cr Elective – 3 cr (15 credits)

* - Class may be offered only once a year.
† - The Writing Proficiency Requirement (WPR) is recommended to be completed at 60-75 credits. Please consult the WPR website:
    www.umb.edu/academics/vpass/undergraduate_studies/writing_proficiency

- This document is a suggested plan for the major. Students must meet with their faculty advisor each semester and refer to their degree audit to ensure adequate progress toward their degree.
- See reverse side for more detailed information.

Mathematics BA Course Number Guide

This course guide provides the detailed names of courses listed by number on the four-year plans.
It is not a comprehensive list of courses for your major, or a substitute for an advising appointment!
Consult with your faculty advisor when choosing courses, and check your degree audit regularly.

CS 110 – Introduction to Computing

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

Math 360 – Abstract Algebra I

Math 370 – History of Math

Math 458 – Theory of Numbers

Math 460 – Survey of Geometry

Physics 113 – Fundamentals of Physics I

Additional resources:
www.umb.edu/academics/vpass/undergraduate_studies/general_education_requirements
www.umb.edu/academics/course_catalog/search
www.umb.edu/academics/csm/student_success_center/degree_planning/math_placement