



Department of Mathematics and Statistics
College of Science, Technology, Engineering,
and Math (2026-27)

Suggested Curriculum Guide for BS Mathematics, Mathematics Teaching Concentration

Freshman (1st Semester) 14 hrs

GSD 101 - Foundations of Learning
MAT 234 - Calculus I
STA 270 (fulfills E.E. 2A) - Applied Statistics
ENG 101 (fulfills E.E. 1A) - Reading, Writing, and Rhetoric

Sophomore (1st Semester) 15 hrs

MAT 254 - Calculus III
MAT 307 - Number Theory
CSC 174 - Introduction to Programming for Science & Engineering
CMS 100 (fulfills E.E. 1C) - Introduction to Human Communication
EDF 204 - Emerging Instructional Technologies

Junior (1st Semester) 15 hrs

EDC 300 - Differentiation in Inclusive Classrooms
EMS 300 - Curriculum and Instructional Design
MAT 308 - Modern Algebra I
E.E. 3A
E.E. 4A

Senior (1st Semester) 14 hrs

ESE 550 - Teaching Mathematics in the Secondary School
CED 450 - Clinical V: Practicing Teaching
E.E. 2B (Flex)
E.E. 4B
Free Electives

Freshman (2nd Semester) 16 hrs

EDF 203 - Educational Foundations
SED 104 - Special Education Introduction
MAT 239 - Linear Algebra and Matrices
MAT 244 - Calculus II
ENG 102 (fulfills E.E. 1B) - Reading, Writing, and Rhetoric

Sophomore (2nd Semester) 15 hrs

EDF 219 - Human Development and Learning
MAE 303 - Math Models and Applications
MAT 203 - Geometry for 7-12 Teachers
MAT 306 - Discrete Mathematics
E.E. 2B

Junior (2nd Semester) 16 hrs

EDF 413 - Assessment in Education
EMS 490 - Classroom and Behavior Management
CED 400 - Clinical IV: Diagnosis and Prescription
MAE 305 - Problem Solving and Technology
MAT 315 - Introduction to Analysis
E.E. 3B

Senior (2nd Semester) 15 hrs

CED 499 - Clinical VI: The Professional Semester
EMS 474 - Disciplinary Literacy

UNIVERSITY GRADUATION REQUIREMENTS

Essential Education (E.E.)

GSD 101 (waived for transfers with 30+ hrs)

33 hours

30 hours

3 hours

MAJOR REQUIREMENTS

Core Courses

MAT 234, MAT 239, MAT 244, MAT 254, MAT 306 or 307, MAT 308, MAT 315, CSC 174 or CSC 190

27 hours

Concentration Requirements

MAE 303, MAE 305, MAT 203

12 hours

Plus 3 hours selected from any MAT or STA course numbered 300 or above (except for 349 or courses in the core)
(Concentration Elective)

Supporting Course Requirements

STA 270 (4 hours; 3 count toward E.E. 2A)

1 hour

Education Professional Standards Board (EPSB) Requirements

EDC 300, EDF 203, EDF 204, EDF 219, EDF 413, EMS 300, EMS 474, EMS 490, ESE 550, SED 104, CED 400, CED 450, CED 499, CMS 100 or CMS 210 (3 hours count toward E.E. 1C)

43 hours

Free Electives

4 hours

Total Curriculum Requirements

120 hours