



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

Suggested Curriculum Guide for BS Mathematics, General Mathematics 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

3
4
4
3

Freshman (2nd Semester) 16 hrs

MAT 239 - Linear Algebra and Matrices
MAT 244 - Calculus II
CSC 174 - Introduction to Programming for Science & Engineering
-OR- CSC 190 - Object-Oriented Programming I
ENG 102 (*fulfills E.E. 1B*) - Reading, Writing, and Rhetoric
E.E. 3A

3
4
3

3
3

Sophomore (1st Semester) 16 hrs

MAT 254 - Calculus III
MAT 307 - Number Theory
E.E. 1C
E.E. 2B
E.E. 3B

4
3
3
3
3

Sophomore (2nd Semester) 14 hrs

MAT 306 - Discrete Mathematics
Concentration Elective
E.E. 2B (Flex)
E.E. 4A
Free Elective

3
3
3
3
2

Junior (1st Semester) 15 hrs

MAT 308 - Modern Algebra I
Concentration Elective
E.E. 4B
Free Elective (*upper division*)
Free Elective

3
3
3
3
3

Junior (2nd Semester) 15 hrs

MAT 315 - Introduction to Analysis
Concentration Elective
Free Elective (*upper division*)
Free Elective (*upper division*)
Free Elective

3
3
3
3
3

Senior (1st Semester) 15 hrs

Concentration Elective
Concentration Elective
Free Elective (*upper division*)
Free Elective
Free Elective

3
3
3
3
3

Senior (2nd Semester) 15 hrs

Concentration Elective
Free Elective (*upper division*)
Free Elective
Free Elective
Free Elective

3
3
3
3
3

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

Concentration Electives: 21 hours selected from any MAT or STA course numbered 300 or above (except for 349)
-No more than 9 hours of STA courses may be used to fulfill this requirement.

21 hours

-Courses cannot count in multiple categories.

Supporting Course Requirements

1 hour

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

Free Electives

38 hours

Total Curriculum Requirements

120 hours