

BA in Mathematics (38 credits)

This is a suggested sequence of courses. 122 credits required for graduation. This major requires a minor (18-21 credits)

Semester 1

MATH 152 Calculus I (4)  
ENG 110 Freshman Composition (3)  
FYE 101 First Year Experience (1)  
General Education\*\*\* courses (8-9)

Semester 3

MATH 222 Calculus III (4)  
MATH 218 Discrete Mathematics (4)  
Laboratory Science (4)  
Other General Education\*\*\* course (3)

*Choose minor this semester*

Semester 5

MATH 366 Abstract Algebra (4)  
Elective in major (0-3)  
Courses in minor (3-6)  
General Education\*\*\* or Electives\* (6)

Semester 7

Elective in major\*\* (3)  
Courses in minor (3-6)  
General Electives (6-9)

Semester 2

MATH 221 Calculus II (4)  
A History Course (3)  
Other General Education\*\*\* courses (9)

Semester 4

MATH 228 Linear Algebra (4) Course in minor (3)  
Laboratory Science (4)  
A Literature Course (3)

Other General Education\*\*\* courses (3)

Semester 6

MATH 377 Introduction to Analysis (4)  
Elective in major\*\* (0-3)  
Courses in minor (3-6)  
General Electives (6)

Semester 8

MATH 450 Proof Seminar (4)  
Elective in major\*\* (0-3)  
Course in minor (0-3) General Electives (3-9)

\* CS 151 strongly encouraged.

\*\* Electives in major may be chosen from MATH 250, 300, 323, 355, 398, 421, 440, 455, 468, 469, 470, 477, 491; STAT 315, 416, 425, 455, 456, 465, 476; ACTL 335, 465, 480, 481, 482.

\*\*\* General Education

Study Area I: Arts and Humanities (9 credits including 3 in literature)

Study Area II: Social Sciences (9 credits including 3 in history. ECON 200 and 201 are strongly recommended)

Study Area III: Behavioral Sciences (6 credits)

Study Area IV: Natural Sciences (6-8 credits, including laboratory science)

Skill Area I: Communication (6 credits including ENG 110)

Skill Area II: Mathematics (MATH 152 and 221, included in major)

Skill Area III: Foreign Language (several options available)

Skill Area IV: University Requirement (2 credits, may be PE 144)

6 credits from the above must be designated as "international" (I)