

## GENERAL MATHEMATICS

Degree: Bachelor of Science

Major: Mathematics

General Education: 50 hours

Required Courses: 45 hours (above MT 1323 - College Algebra, MT 1613 - Plane Trigonometry, and MT 2013 - Elementary Statistics)

- MT 2145 Calculus I
- MT 3223 Linear Algebra
- MT 3543 Introduction to Number Theory
- MT 3624 Calculus II
- MT 3633 Calculus III
- MT 4023 Advanced Calculus I
- MT 4233 Higher Algebra
- MT 4353 Discrete Mathematics
- MT 4423 Mathematical Statistics I
- MT 4433 Mathematical Statistics II
- MT 4453 Numerical Analysis
- MT 4583 Mathematical Modeling
- MT 4643 Differential Equations
- MT 4743 History of Mathematics

Six Hours of electives in Mathematics:

- MT 4553 Complex Variables
- MT 4653 Seminar in Mathematics

Additional requirements: Physics I and Physics II and electives in computer science approved by advisor to complete a minimum of 124 hours for graduation, including 45 hours in upper division coursework.