

MATHEMATICS

Mission Statement

The mathematics department prepares our students for their future lives and careers by teaching effective thinking and communication skills in classes that link application and theory, incorporate technological tools, support mathematical independence, and invite open-ended inquiry while working with a diverse group of peers and mentors.

Departmental Guidelines

Students can earn a Bachelor of Arts degree in Mathematics, a Bachelor of Science degree in Mathematics or Applied Mathematics, or a minor in Mathematics or Applied Mathematics. You will learn to think abstractly with an emphasis on conceptual understanding, writing proofs, and creating new mathematical models to solve problems. You will learn to use technological tools to enhance conceptual understanding, visualization, and inquiry. In addition, you will learn communication skills, including listening, writing, and presenting. Interactive learning approaches will include group work, exploratory activities, and various projects.

By the end of their sophomore year, students interested in any Mathematics major should take:

Code	Title
MATH 135	Single Variable Calculus
and/or	
MATH 145	Multi-variable Calculus
followed by	
MATH 213 & MATH 220 & MATH 300	Linear Algebra and Differential Equations and Applied Statistics and Introduction to Proofs

Additionally, by the end of their sophomore year, students interested in any Mathematics major are encouraged to take one of:

Code	Title
CS 109	Discovering Computer Science
CS 110	Discovering Computer Science: Digital Media and Games
CS 111	Discovering Computer Science: Scientific Data and Dynamics
or CS 112	Discovering Computer Science: Markets, Polls, and Social Networks