



# MATHEMATICS

The Mathematics programs provide a strong foundation of the clear reasoning, systematic thought, and teamwork needed to solve problems faced in business, government, education and research. Grounded in the liberal arts and trained in mathematical logic, mathematics majors may pursue graduate studies or assume positions in a variety of organizations.

## **DEGREES OFFERED**

Bachelor of Arts in Mathematics – 126 Credits

Bachelor of Science in Mathematics-Computer Science – 126 Credits

## **MAJOR REQUIREMENTS – Bachelor of Arts**

Fundamentals of Discrete Mathematics

Calculus III

Calculus IV

Probability & Statistics

Modern Algebra

Linear Algebra

Real Analysis I

Mathematics/Computer Senior Seminar

Physics I, II

3D Computing

Software Design and Programming

## **EDUCATION CERTIFICATIONS**

While working toward the degree in Mathematics, students may obtain teacher certification in Early Childhood Education, Elementary Education, Elementary/Special Education or Secondary Education. Please refer to the Education Certification sheet which outlines the requirements to obtain teacher certification

## **MAJOR REQUIREMENTS – Bachelor of Science**

The Basics of Networking

Software Project Management

Technology & Ethical Issues

Mathematics/Computer Senior Seminar

Fundamentals of Discrete Mathematics

Calculus III

Modern Algebra

Linear Algebra

3D Computing

Software Design and Programming

Database

Systems Analysis & Design

Data Structures

Human Computer Interaction

*While a majority of the courses are offered in the evening,  
day courses need to be taken to complete degree requirements*