



BACHELOR OF ARTS AND BACHELOR OF SCIENCE

MATHEMATICS

Mathematics is the science of numbers, quantities, shapes, spaces and patterns and their interrelationships, and the operations and processes involved in the solution of a problem.



College of Science and Technology

MATHEMATICS

Bachelor of Arts and Bachelor of Science

Program Choices

Students can choose to pursue a bachelor of arts or a bachelor of science. The BA provides a solid, broad-ranging mathematical foundation. The BS provides an in-depth theoretical background focusing on the traditional core areas of mathematics; this program is suitable preparation for graduate study in mathematics.

Courses include:

- Advanced Calculus I and II
- Basic Concepts of Math
- Complex Analysis
- Differential Equations with Linear Algebra
- Introduction to Modern Algebra
- Linear Algebra
- Modern Algebra
- Probability Theory
- Theoretical Linear Algebra
- Senior Problem Solving
- Real and Complex Analysis I and IINN

Research opportunities

Real-world, hands-on research means students learn the latest scientific techniques, from the necessary basics to high-tech analysis to potential scientific breakthroughs. Students can work directly with experienced researchers in mathematics and across the College of Science and Technology. Research activities and interests in the department encompass many areas within the broad fields of algebra, analysis, applied mathematics and scientific computing, geometry and topology, and probability.

Career Options

Mathematics prepares students for some of today's most rewarding and challenging careers in finance, technology, computer science, teaching or any field where advanced mathematical techniques and tools are used to analyze data, improve scientific research or make optimal business decisions.

Faculty Contacts

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