

College of Sciences Career Guide Bachelor of Arts in Mathematics

About the Major

The Bachelor of Arts in Mathematics is designed to include a large level of flexibility to serve students in a variety of areas in mathematics, including pure math, computational math, applied math, and statistics. Mathematics is a powerful tool for solving practical problems and a highly creative field of study, combining logic and precision with intuition and imagination. The basic goal of mathematics is to reveal and explain patterns, whether the pattern appears as electrical impulses in an animal's nervous system, as fluctuations in stock market prices, or as fine detail of an abstract geometric figure. With today's powerful computers, mathematics is being used in science and engineering in unprecedented ways, such as planning the path of a robotic arm, modeling oil reservoirs under the surface of the earth, and to make and break secret codes.

Skills

Mathematical Reasoning
Problem Solving
Ability to Interpret Data
Critical Thinking

Potential Career Opportunities

Auditor
Astronomer
Budget Analyst
Computer Research Scientist
Data and Systems Administrator
Economist
Financial Analyst
Management Analyst
Market Research Analyst
Statistician
Survey Researcher
STEM Educator

Common Career Areas for this Major

Market Research

Data and Analysis

Business Administration

Project Management

Computational Science

Statistics

STEM Education