

College of Sciences Career Guide
Bachelor of Science in Mathematics
Concentration in Actuarial Science

About the Major and Concentration

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. Actuarial science is the discipline that applies mathematical and statistical methods to assess risk in insurance, finance and other industries and professions. Actuaries need a bachelor's degree and must pass a series of exams to become certified professionals. They must have a strong background in mathematics, statistics, and business.

Skills

Mathematical Reasoning
Problem Solving
Ability to Interpret Data
Critical Thinking

Potential Career Opportunities

Actuary
Auditor
Budget Analyst
Database Administrator
Economist
Financial Risk Analyst
Insurance Underwriter
Personal Financial Advisor
Management Analyst
Market Research Analyst
Operations Research Analyst
Statistician
STEM Educator

Common Career Areas for this Major

Research

Data and Analysis

Banking or Finance

Project Management

Computational Science

Statistics

STEM Education