Mathematics: Actuarial Sciences
University of Northern Iowa College of Humanities, Arts & Sciences
https://uni.edu/math/

ABOUT THE MAJOR
Actuarial science is a discipline that applies mathematical and statistical methods to assess risk in insurance, finance and other industries. A career as an actuary can best be described as a "business" career with a mathematical basis rather than a "technical" mathematical career. Actuaries use mathematical and statistical concepts in order to determine the likelihood of a certain events occurring in the future (and when they'll occur), as well as the expected financial impact of those events.

SAMPLE COURSEWORK
- Intro to Statistical Methods
- Intro to Information Systems
- Mathematics of Finance
- Linear Algebra for Applications
- Calculus I, II, III
- Intro to Financial Engineering
- Regression Analysis
- Actuarial Mathematics

POSSIBLE CAREERS  *some titles may require further education*
- Actuary
- Accountant
- Auditor
- Budget Analyst
- Cost Estimator
- Economist
- Financial Analyst
- Insurance Underwriter
- Mathematician
- Statistician
- Personal Financial Advisor
- Professor

UNI GRADUATES: WHERE ARE THEY NOW?
- Principal Financial Group
- Transamerica
- Athene USA
- Nationwide
- CUNA Mutual Group
- Allstate
- Global Atlantic Financial Group
- John Deere
- Farm Bureau Financial Services
- American Family Insurance
- Coaching Actuaries
- IMT Insurance
- Arity
- Sammons Financial Group
- Grinnell Mutual
- Hause Actuarial Solutions, Inc.

SKILLS NEEDED
- Analytical skills
- Communication
- Computer skills
- Interpersonal skills
- Math skills
- Problem-solving
- Time-management
- Critical thinking skills
- Organization

HOLLAND CODES
ISE