

# EXPLORE ACTUARIAL SCIENCE

## WHAT IS ACTUARIAL SCIENCE?

Actuarial science is a discipline that applies mathematical and statistical methods to assess the liabilities and risks a company faces when it offers an insurance product or pension plan. By analyzing numbers, historical information, and economic trends, actuaries evaluate future events to minimize undesirable outcomes. Actuaries most commonly work at insurance companies, consulting firms, or for the government, in disciplines including life, health, property & casualty, and pensions.

## FREQUENT JOB TITLES

- Actuary
- Actuarial Analyst

## KEY SKILLS

- Statistical analysis
- Analytical & critical thinking
- Business knowledge
- Mathematics & quantitative skills
- Ability to understand human behavior
- Complex problem solving
- Microsoft Excel
- Programming languages

## RELATED STUDENT ORGS

- Actuarial Club

## SUGGESTED COURSES

- Fundamentals of Accounting and Finance for Non-Business Majors
- Fundamentals of Management and Marketing for Non-Business Majors

## COMMON EMPLOYERS

- Allstate Insurance Company
- American Family Insurance
- CIGNA
- CUNA Mutual Group
- EY
- Humana
- Liberty Mutual
- Milliman
- Northwestern Mutual
- UnitedHealth Group
- Willis Towers
- Watson

## IDEAL QUALIFICATIONS

- Math, Finance, Economics, Statistics, and/or Computer Science coursework
- At least two Actuarial Certification Exams completed by graduation
- Internship experience in actuarial science related role

## HIRING TIPS

- Attend the fall Risk & Insurance Fair