ACTUARIAL PROGRAM
QUESTIONS TO ANSWER

• WHAT IS ACTUARIAL SCIENCE?

• WHO ARE ACTUARIES?

• WHERE DO ACTUARIES WORK?

• WHAT DOES THE WORK INCLUDE?

• WHY BE AN ACTUARY?
WHAT IS ACTUARIAL SCIENCE?

ACTUARIAL SCIENCE APPLIES

STATISTICS, MATHEMATICS, ECONOMICS

FINANCE, GOVERNMENT POLICIES, BUSINESS MANAGEMENT PRINCIPLES

TO ASSESS RISK IN THE INSURANCE AND FINANCE INDUSTRIES
WHO ARE ACTUARIES?

ACTUARIES USE THEIR KNOWLEDGE OF STATISTICS, FINANCE, AND BUSINESS TO DEFINE, ANALYZE AND SOLVE BUSINESS PROBLEMS INVOLVING THE COST OF POSSIBLE FUTURE EVENTS.
WHERE DO ACTUARIES WORK?

ACTUARIES ARE EMPLOYED IN THE

• INSURANCE INDUSTRY
  (EITHER PROPERTY AND CASUALTY OR LIFE AND HEALTH)

• FINANCIAL INSTITUTIONS

• CONSULTING FIRMS

• GOVERNMENT AGENCIES

• ACCOUNTING FIRMS
WHAT DOES THE WORK INCLUDE?

ACTUARIAL WORK INCLUDES:

- PROJECTING HOW A NEW AUTO-SAFETY LAW WILL CHANGE INSURANCE CLAIMS
- ESTIMATING THE BENEFIT COST OF A LABOR CONTRACT
- PROJECTING FINANCIAL COSTS OF AN EPIDEMIC
- ANALYZING INVESTMENT RISK
HERE ARE A FEW REASONS TO BE AN ACTUARY:

• STARTING SALARIES $50,000

• EXCELLENT BENEFITS

• SALARY GROWS STEADILY AS YOU PASS ACTUARIAL EXAMS

• JOB SECURITY THROUGH ECONOMIC CYCLES

• DYNAMIC AND CHALLENGING CAREER
WANT TO KNOW MORE ABOUT ACTUARIAL PROGRAM AT UTD?

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