



## Department of Mathematics

# ACTUARIAL SCIENCE AT LSU

### CONSIDER A CAREER AS AN ACTUARY

The Actuarial Science concentration in the LSU Mathematics major prepares students to be actuaries. The LSU program offers courses covering all the Society of Actuaries Validation through Educational Experience requirements and six actuarial credentialing exams. LSU is also recognized by the Society of Actuaries as one of the Universities and Colleges with Actuarial Programs.

### WHAT DO ACTUARIES DO?

Risk is the chance that an undesirable event will occur, but risk can also be an opportunity. Actuarial professionals work in the field of risk management by evaluating the likelihood of future events. If they detect a potential undesirable event, they create unique solutions to reduce the possibility of the event from occurring and to decrease the impact of the event if it does occur.

Actuaries use a combination of analytical skills, business knowledge, and understanding human behavior to manage complex risks in today's society.

### WHERE DO ACTUARIES WORK?

Actuaries work in the insurance industry, private corporations, or government entities.

The actuary profession is consistently rated as a top career.

### HOW DO I BECOME AN ACTUARY?

Course work includes math, statistics, finance, computer science, and economics.

Advancement as an actuary is obtained through a series of exams to gain professional status.

Actuaries start work with a bachelor's degree.

### WHAT DO ACTUARIES EARN?

According to the DW Simpson salary survey (2018):

- New actuaries with three exams typically earn \$54,000 to \$77,000
- "Associates" with first-level credentials and three to five years of experience typically earn between \$76,000 to \$138,000
- "Fellows" with the next level of credentials and 15 to 20 years of experience typically earn \$154,000 to \$390,000

### Quick Facts



**\$101,560 median salary**



**Ranked #6 in Best Business Jobs by U.S. News & World Report**



**22% projected increase of employment in the next 7 years**

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