

Bachelor of Science in Actuarial Science

Actuaries are professionals who help businesses to assess the risk of certain events occurring. About six out of 10 actuaries are employed in the insurance industry. Actuaries assemble and analyze data to estimate the probability and likely cost of the occurrence of an event such as death, sickness, injury, disability or loss of property. It is consistently one of the most secure and highest-paying professions available, even during tough economic times. Annual starting salaries for graduates with a bachelor degree in actuarial science can be as high as \$50,000.

Career Potential

Jobs Rated Almanac and *Money Magazine* have consistently rated “actuary” among top jobs based upon its satisfaction, salary and likelihood to remain in high demand for years to come. Of 200 professions recently studied, the job of actuary was rated No. 2 in a survey of the following factors: work environment, income, employment outlook, physical demands and stress.

- 1. Mathematician
- 2. Actuary
- 3. Statistician
- 4. Biologist
- 5. Software Engineer

Source: *The Wall Street Journal*, Jan. 26, 2009

Jobs in actuarial science include:

- Corporate and consulting services, especially management and public relations
- Security/commodity brokers
- Government programs like Social Security and Medicare
- Insurance companies

The University’s Career Center is an important resource for students pursuing their careers. Licensed counselors are available to provide strategies for mastering job interviews, writing professional cover letters and resumes and connecting with campus recruiters, among other services.

Actuarial Science at UT Dallas

Students must take 120 hours to graduate: 42 hours from the University’s core curriculum and 66 hours in the major, plus elective requirements, where students can tailor their learning experience more closely to their interests.



High School Preparation

Strong math skills and an interest in math ensure a solid foundation for your career as an actuary.

Training and Advancement

Actuaries achieve their full professional status by passing a series of actuarial examinations sponsored by The Society of Actuaries (SOA) and The Casualty Actuarial Society (CAS). The first four exams in the SOA and CAS examination series are jointly sponsored and test an individual’s competence in probability, statistics, finance and actuarial science.

Summer Internships

Actuarial science students at UT Dallas enjoy the benefit of applying for summer internships at many of the Dallas area’s leading insurance and consulting companies.

School of Natural Sciences and Mathematics

UT Dallas’ School of Natural Sciences and Mathematics offers degree programs for undergraduate and graduate students in biology, chemistry, geosciences, mathematics and physics. In addition to regular coursework, undergraduates are encouraged to participate in research alongside the faculty and graduate students. From the world-renowned Alan G. MacDiarmid NanoTech Institute, headed by Dr. Ray Baughman, to the William B. Hanson Center for Space Sciences—where Dr. John Hoffman helped discover water on Mars—the science education at UT Dallas is a hands-on, high quality experience for undergraduates and graduate students alike.

The UTeach Dallas program offers students the possibility of completing the requirements for high school teacher certification along with their regular BS or BA degrees.

Quick Facts

- Established in 1975
- Six departments
- More than 2,000 students
- 33 degrees offered
- Faculty include a Nobel Prize winner and a member of the National Academy of Engineering

Degrees Offered

Bachelor of Science: Actuarial science, biochemistry, biology, chemistry, geosciences, mathematics, molecular biology, physics

Bachelor of Arts: Biology, chemistry, geosciences, physics

Master of Science: Applied physics, bioinformatics and computational biology, biology-molecular and cell, biotechnology, chemistry, geosciences, mathematics, physics

Master of Arts: Teaching in mathematics education, teaching in science education

Doctor of Philosophy: Biology-molecular and cell, chemistry, geosciences, mathematics, physics

Certificates

Postbaccalaureate certificate in biomedical science

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