

School of Natural Sciences and Mathematics

Bachelor of Science in Actuarial Science



Actuaries are professionals who use their knowledge of statistics, finance, and business to define, analyze and solve business problems involving the cost of possible future events, such as death, sickness, injury, disability or loss of property, as well as stock market performance or income from insurance policies and pension plans.

Career Potential

The insurance industry is the largest employer of actuaries, but they also work in financial institutions, consulting firms, government agencies, universities, accounting and financial firms. Actuary is 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 start at around \$50,000 and quickly grow from there with each passed actuarial exam and developing experience. The University's Career Center is an important resource for students pursuing their careers.



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).

Actuarial Science at UT Dallas

UT Dallas Bachelor of Science degree program students receive rigorous mathematical background. Twelve courses are devoted to finance, economics, applied statistics, insurance and actuarial science preparing them for actuarial exams. Students must take 120 hours to graduate: 42 hours from the University's core curriculum and 78 hours in the major.

Summer Internships

Students in the UT Dallas actuarial programs are encouraged to hold internships and participate in networking events throughout their college career. UT Dallas offers many tools to students to help them find — and obtain — internships and jobs, including a dedicated career center that can help with resumes building and interviewing skills. UT Dallas location is a tremendous advantage for the UT Dallas actuarial science students. Dallas is a major hub for insurance companies and actuarial consulting firms, and many of these companies hire actuarial interns and professionals. Actuarial firms like WillisTowersWatson, AON, Milliman, Liberty Mutual, Lewis & Ellis, SwissRe, OptimumRe, Transamerica, Blue Cross Blue Shield, Globe Life Insurance, Kemper Insurance, Cigna, USAA are proud sponsors and employers UT Dallas actuarial students.

Strong mathematics skills and interest in mathematical applications, statistics, economics and finance ensure a solid foundation for your career as an actuary.

Recent Rankings

College Choice ranks UT Dallas **#9** in their **35 Best Actuarial Science Degrees for 2018.**

<https://www.collegechoice.net/rankings/best-actuarial-science-degrees/>

Value Colleges ranks UT Dallas **#47** in their

Top 50 Best Value Bachelor's of Actuarial Science Programs 2018.

<https://www.valuecolleges.com/rankings/best-value-bachelors-actuarial-science/>

Contact Information

Office of Admission and Enrollment

800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-2270 or 1-800-889-2443
Email: interest@utdallas.edu
Website: utdallas.edu/enroll

Dean Bruce M. Novak

School of Natural Sciences and Mathematics
The University of Texas at Dallas
800 West Campbell Road
Richardson, TX 75080-3021
Phone: 972-883-2501
E-mail: nsm@utdallas.edu
Website: utdallas.edu/nsm

Dr. Michael C. Biewer

Associate Dean for Undergraduate Studies
Phone: 972-883-2811
E-mail: biewerm@utdallas.edu

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 opportunity to complete the requirements for high school teacher certification along with their regular BS or BA degrees.

Quick Facts about the School of Natural Sciences and Mathematics

- Established in 1975.
- Six departments.
- More than 3,200 students.
- 29 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, mathematics, physics

Master of Science: Actuarial science, bioinformatics and computational biology, biotechnology, chemistry, geosciences, mathematics, molecular and cell biology, physics, statistics

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

Doctor of Philosophy: Chemistry, geosciences, mathematics, molecular and cell biology, physics, statistics

Certificates

Postbaccalaureate certificate in biomedical science

Graduate certification in data science

Fast Track to Graduate School

The Fast Track program enables exceptionally gifted UT Dallas students to include master's level courses in their undergraduate degree plans. Students who meet the requirements for admission to graduate school and the minimum GPA requirement for their major can take up to 15 hours of graduate level coursework that can apply toward their undergraduate and graduate level coursework. To take graduate courses in the Fast Track program upper-division undergraduates must have completed 90 semester credit hours and petition their associate dean for permission to take graduate courses.

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Dean Bruce M. Novak

School of Natural Sciences and Mathematics
The University of Texas at Dallas
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Richardson, TX 75080-3021
Phone: 972-883-2501
E-mail: nsm@utdallas.edu
Website: utdallas.edu/nsm

Dr. Michael C. Biewer

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