

School of Natural Sciences and Mathematics

Bachelor of Science in Mathematics / Bachelor of Arts in Mathematics



Mathematics is the universal language essential to formulate and express ideas in science and engineering. As our society becomes more sophisticated and technical, mathematics is playing increasingly important roles in other areas such as business and the social sciences as well. As probably the oldest and most basic science, it provides the foundation for the major technological achievements of our time.

Programs in Mathematical Sciences

Students seeking a degree in mathematics may choose from the following three specializations. This flexibility allows students to better adapt their educational experience to further their academic goals.

Mathematics Specialization: For students interested in a career in mathematics and for those who choose to continue their education at the graduate level in mathematics, applied mathematics, mathematics education or disciplines, such as statistics and actuarial science, that use mathematics.

Statistics Specialization: For students interested in probability and statistical models and their use in data analysis and decision making and for those interested continuing on to graduate education in statistics or data science.

Applied Mathematics Specialization: For students interested in mathematics for the purpose of using it broadly in various application areas and for students interested in continuing on to graduate work in applied mathematics or related disciplines such as engineering.

Students interested in obtaining both a BS in mathematics and teacher certification in the state of Texas should consult the **UTeach Dallas Office** or the **Teacher Development Center** for specific requirements as soon as possible after formal admission to the University.

Career Potential

UT Dallas graduates with degrees in mathematics leave the university well prepared for graduate school or careers in a business or technical environment. The jobs of a mathematician, statistician and actuary consistently appear among the top jobs in the rankings of 200 jobs by CareerCast's Jobs Rated Almanac based upon factors such as work environment, income, hiring outlook and stress. 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.

Mathematical Sciences at UT Dallas

Students must take 120 hours to graduate: 42 from the University's core curriculum and 48 hours in the major, plus elective requirements, where students can tailor their learning experience more closely to their interests.

High School Preparation

Students preparing for BS in mathematics at UT Dallas should have a study foundation in upper-level mathematics, a strong interest in mathematics and solid study habits.



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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The University of Texas at Dallas
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