Bachelor of Science/
Bachelor of Arts in Biology

The biology program at UT Dallas is a pathway toward careers in science, health and research. The programs emphasize the unifying molecular and cellular nature of organisms. The undergraduate biology curriculum focuses on the biochemical, genetic and cell biology concepts and tools used to study genes. The expression of genes and how they are regulated in organisms is a major focus.

Both BS and BA degrees are offered in biology at UT Dallas; a BS degree is offered in molecular biology. The BS degree is intended as preparation for scientific careers in biology or careers in the health professions. The BA degree is intended as a liberal arts biology major with less emphasis on calculus and more free hours for coursework in other disciplines.

Career Potential

Biology graduates from UT Dallas arrive at graduate schools or in the work force prepared to work in the modern biological and medical sciences. Computational biology and an array of other contemporary and emerging disciplines are covered throughout the educational process, which ensures that our graduates are ready to excel in highly competitive, sophisticated science environments.

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.

Biology at UT Dallas

Biology students take core courses in genetics, molecular biology, cell biology and biochemistry. BA and BS degrees require 120 hours, with 42 hours of core curriculum and 53–61 hours in the major. Courses can be combined with upper-level electives to create a minor in biomolecular structure, microbiology, molecular and cell biology or neurobiology. The choice can be further expanded to dual majors in biology or molecular biology with business administration or crime and justice studies.

The Department of Biological Sciences promotes an active academic advising program to assist undergraduates in designing an appropriate course of study that will satisfy requirements for graduation, and can be completed in four years in most cases.

Fast Track

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.

High School Preparation

High school students need an interest in science and an aptitude for biology, chemistry and mathematics. A background in these classes will help ensure success at the undergraduate level.

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 about the School of Natural Sciences and Mathematics

- Established in 1975.
- Six departments.
- More than 3,100 students.
- 26 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, physics

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

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

**Doctor of Philosophy:** Cell and molecular biology, chemistry, geosciences, mathematics, physics

Certificates

Postbaccalaureate certificate in biomedical science

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