



THE UNIVERSITY OF TEXAS AT DALLAS  
Department of Mathematical Sciences

## MATHEMATICS PhD program

Provides intensive research experience and coursework in theory, methodology and applications of mathematics.

An integrated pure and applied math community with broad and diverse research interests, working to solve existing and discover new mathematical problems that arise in physics, biology, engineering, finance, geoscience and medicine. Students are trained and mentored for teaching. Students can pursue the Graduate Certificate in Data Science while completing their PhD.

Our labs are regularly funded by NSF and Simons Foundation, exposing students to state-of-the-art research techniques that help build marketable skills for various career paths.


GRE waived

100% tuition & fee waiver renewable up to 5 years

Minimum \$2,400/mo stipend as TA/RA

Full health insurance benefits/coverage

Located in diverse metroplex with booming job market, great cost of living

Learn more  [www.math.utdallas.edu](http://www.math.utdallas.edu)

**APPLY NOW!**



# What can I do with a PhD in MATHEMATICS?

## Top job titles:

- Actuarial analyst
- Data analyst/scientist
- Professor
- Research scientist
- Financial analyst
- Software/systems engineer



## REQUIREMENTS:

Bachelor's degree in Mathematics, Applied Mathematics, or closely related subjects and completion of Calculus I, II, and III (including Multivariable Calculus), Linear Algebra, and higher-level math courses requiring written proofs and derive equations.

## Top mathematics research areas at UT Dallas:

Geometry

Bioinformatics & computational medicine

Data science

Dynamical systems & ODEs

Numerical analysis & scientific computing

Mathematical physics

Machine learning

Topological data analysis

Number theory

Partial differential equations

Manifold learning

Algebraic & complex geometry

Control theory & optimization