



# MATHEMATICS

**Pursuing a master's degree in mathematics from Tennessee Tech means you will have a strong background and understanding of how math is necessary to so much of the world around you. You may write a thesis or expand your knowledge through additional classes. Whichever route you choose, our faculty will be there to guide you along your path.**

## Mathematics at Tennessee Tech

Mathematics is an interesting and dynamic field where discoveries are still being made. Armed with a master's degree from Tennessee Tech, you will be prepared to contribute new ideas and information, teach others, become an actuary, or pursue any number of other careers. Students with either an undergraduate degree in math or another field are welcomed into our graduate program.

The program is flexible, offering thesis and non-thesis options to help you along your career path. Our faculty of mathematicians teach not only the latest information in their field, but also help you to track and map how math interacts with other fields including computer science, business and the hard sciences. They will also help you to submit, publish and present your work at regional and national professional conferences.

Those skills will help you in your career, and we can prove it. There are TTU math alumni working in national defense, hospital administration, NASA labs and space centers and teaching in classrooms.

## Concentrations

*Applied Mathematics* – For students interested in ordinary and partial differential equations and numerical analysis. This concentration prepares students to pursue a doctoral degree in math, another graduate degree in engineering, or to work in industry applying mathematics to real-world problems.

*Pure Mathematics* – For students looking to expand their knowledge of complex, functional and real analysis, abstract algebra, topology and graph theory and other fields. This concentration prepares students for further study or teaching positions.

*Statistics* – For students looking to learn statistical theory and applications that prepare them for further study or for careers in business, government or industry.

## Faculty

At Tennessee Tech, small class sizes mean that you get personal attention from all of your professors, not just your adviser. With more than a dozen faculty, students have many sources for information and advice, both academically and professionally. Our faculty members are active in their fields and have relationships with the National Science Foundation and other research organizations.

## Graduate Assistantships

*Teaching Assistantships* – A limited number of teaching assistantships may be available that include paid tuition and fees along with a monthly stipend in return for work teaching undergraduates. The responsibilities of teaching assistants include (but are not limited to) assisting faculty with grading, teaching and providing help sessions for students.

## How to Get Started

Individuals interested in the mathematics graduate program can obtain additional information at the program's website or by emailing [mathdept@tntech.edu](mailto:mathdept@tntech.edu).

For more information, visit [www.tntech.edu/cas/math/graduateprogram](http://www.tntech.edu/cas/math/graduateprogram)