The Department of Mathematics provides an environment at the forefront of research that produces graduates highly qualified in mathematics and mathematics education who will make Texas a leader in mathematics, science, and technology. We offer a rich mathematical experience students develop critical thinking skills, communicate mathematical concepts effectively, and become lifelong learners. We maintain a nationally known community of faculty and students in mathematics, mathematics education, and related disciplines.

**Goals**

The Department of Mathematics offers an MS in Mathematics with optional concentrations in Applied Mathematics and in Statistics, an M.Ed. in Mathematics, and a Ph.D. in Mathematics Education. The programs are designed to prepare students for: entering doctoral programs; applying mathematics or statistics to solve real-world problems; teaching mathematics at the K-12, community college, or college level; or conducting research in mathematics, statistics, and mathematics education.

**Faculty**

The faculty has specialists in algebra, analysis, applied mathematics, bifurcation theory, bioinformatics, combinatorics, differential equations, differential geometry, graph theory, mathematics education, non-linear functional analysis, model theory, number theory, operator theory, quadratic forms, statistics, and topology. The library collection is extensive in both journals and reference works with current journals accessible online and in the library.

**Financial Assistance**

Mathematics graduate students are encouraged to work as assistant instructors. The stipends for these assistantships are comparable to national norms and generally require teaching two courses per term. Write to the Graduate Program Coordinator at mathgrad@txstate.edu to obtain more information. The Graduate College can provide information on the availability of graduate scholarships. There are also stipends available for Research Assistantships available through faculty research grants. Additional summer support is available as Instructional Assistants or Research Assistants. Contact the department for more information.

**Doctor of Philosophy (Ph.D.)**

- Major in Mathematics Education (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/education-phd/)

**Master of Education (M.Ed.)**

- Major in Mathematics (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/med/)

**Master of Science (M.S.)**

- Major in Mathematics (Applied Mathematics Concentration Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-appliedmath-thesis-ms/)
- Major in Mathematics (Non-thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-nonthesis-nominor-ms/)
- Major in Mathematics (Non-thesis Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-nonthesis-minor-ms/)
- Major in Mathematics (Statistics Concentration Non-thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-statistics-nonthesis-ms/)
- Major in Mathematics (Statistics Concentration Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-statistics-thesis-ms/)
- Major in Mathematics (Thesis Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-thesis-nominor-ms/)
- Major in Mathematics (Thesis Minor Option) (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/mathematics-thesis-minor-ms/)

**Minor**

- Mathematics (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/minor/)