DEPARTMENT OF MATHEMATICS

The Department of Mathematics provides an environment at the forefront of research that produces graduates highly qualified in mathematics and mathematics education who will contribute to making Texas a leader in mathematics, science and technology. Offering a rich mathematical experience where students learn to think critically, communicate mathematical concepts effectively, and become lifetime learners, we maintain a nationally known community of faculty and students in the study of mathematics, mathematics education, discrete mathematics, and related disciplines.

Goals
The Department of Mathematics offers an MS in Mathematics with optional concentrations in Applied Mathematics and Statistics, and M.Ed. in Mathematics, and Ph.D. in Mathematics Education. The program courses are designed to develop studies appropriate to preparing students for doctoral research, preparing students to teach mathematics at various levels including community college and public school teaching, or preparing students to apply mathematics and statistics to solve functional problems in fields such as engineering and applied sciences, thus preparing them for careers in applied mathematics.

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

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. Information may be obtained by writing the department chair. The Graduate College can provide information on the availability of graduate scholarships.

Doctor of Philosophy (Ph.D.)
- Major in Mathematics Education (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/education-phd/)
- Major in Mathematics (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/thesis-phd/)

Master of Education (M.Ed.)
- Major in Mathematics (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/med/)
- Major in Middle School Mathematics Teaching (http://mycatalog.txstate.edu/graduate/science-engineering/mathematics/middle-school-teaching-med/)

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

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