

- Interact one-on-one with award-winning professors
- Learn and do research in a wide variety of areas
- Learn data science and computational methods
- Get free tuition, a generous stipend (\$10,000 for Masters, \$27,000 for PhDs), and 3/4 of health insurance paid

Faculty:

In the TCU Department of Mathematics, the faculty come from top-notch graduate schools, such as Princeton, Harvard, SUNY Stony Brook, UC Berkeley, NYU, Rice, University of Chicago, Columbia University, etc. Several of our faculty have won teaching awards at the university, state, and national levels.

Research areas:

- Number Theory
- Differential Geometry
- Global Analysis
- K-Theory
- Operator Algebras
- Algebraic Geometry
- Harmonic Analysis
- p-adic Groups
- Nonparametric Statistics
- Algebra

Our program:

Our program is small. We offer Master of Arts in Teaching, Master of Science, and Ph. D. degrees. Our graduate classes are small, and faculty take a personal interest in each student. We want the best for our graduates!

Apply Here: Applications due February 1.



Contact: Dr. Ken Richardson k.richardson@tcu.,edu Texas Christian University, Fort Worth, Texas

Preparing our students:

Our students typically get jobs in smaller colleges and in industry (in the DFW metroplex and elsewhere).

Through our weekly graduate student seminars and targeted coursework, our students learn job skills such as LaTeX, web development, coding with various computing platforms, data science, interviewing skills.

Teaching:

You are not thrown into the classroom. Student duties are 10 hours per week: grading and tutoring in the math clinic. A grad student teaches a maximum of 1 course per semester, but only after the student has 18 hours and has taken a pedagogy course, and they work with a faculty mentor.

TCU Mathematics Department Graduate Faculty

José Carrión (Ph. D., Purdue University) Operator Algebras, K-theory Ze-Li Dou (Ph.D., Princeton University) Number Theory Greg Friedman (Chair, Ph.D., New York University) Algebraic and Geometric Topology George T. Gilbert (Ph.D., Harvard University) Discrete and Applied Mathematics, Number Theory Rhonda L. Hatcher (Ph.D., Harvard University) Number Theory Emily Herzig (Ph.D., University of Texas at Dallas) Linear Alaebra Dennis Ledis (Ph.D., University of Florida) Dynamical Systems Scott Nollet (Ph.D., University of California, Berkeley) Algebraic Geometry Efton Park (Ph.D., Stony Brook University) K-Theory, **Operator Algebras** Nelis Potgieter (Ph.D., University of Johannesburg) Nonparametric Statistics and Measurement Error Modelina Igor Prokhorenkov (Ph.D., Rice University) **Differential Geometry and Global Analysis** Ken Richardson (Ph.D., Rice University) Differential Geometry and Global Analysis Loren Spice (Ph.D., University of Chicago) Harmonic Analysis and Representations of p-adic Groups Susan G. Staples (Ph.D., University of Michigan) **Real and Complex Analysis** Derek Tomlin (Ph.D., University of Texas at Arlington) Noncommutative Algebra and Algebraic Geometry Drew Tomlin (Ph.D., University of North Texas) Algebra Fred Xavier (Ph.D., University of Rochester) Differential Geometry Qiao Zhang (Ph.D., Columbia University) Analytic Number Theory and Arithmetic Geometry



Graduate Program

