Ph. D. Program in
Mathematics and Statistics
with Interdisciplinary Applications (MSIA)

Faculty Research Areas

The SMSS consists of about 70 faculty with research interests in:

- Algebra
- Applied Statistics
- Biostatistics
- Combinatorics and Discrete Mathematics
- Data Science
- Differential Equations
- Dynamical Systems
- Fluid Mechanics
- Functional Analysis
- Geometry
- Integrable Systems
- Inverse Prob and Image Reconstruction
- Partial Differential Equations
- Mathematical Modeling
- Nonlinear Waves
- Numerical Analysis
- Number Theory
- Probability
- Quantum Field Theory and Mathematical Cosmology
- Solitons

Earn a PhD in MSIA in one of four areas:

- Computational Mathematics and Computer/Electrical Engineering
- Mathematical Biology and Nonlinear Mechanics
- Statistics with Data Analytics and Medical Applications
- Mathematical Physics

Scholarship & Financial Aid

Financial assistance is available in form of:

- Teaching assistantships
- Graduate research assistantships
- Scholarships
- Additional summer support on competitive basis

Review and submit all Program Requirements:

- Step #1: Submit a UTRGV Graduate Application at www.utrgv.edu/gradapply. There is no application fee.
- Step #2: Request your official transcripts to be sent electronically to gradapps@utrgv.edu or mailed to:

  The University of Texas Rio Grande Valley
  The Graduate College
  Marialice Shary Shivers Bldg. 1.158
  1201 W. University Drive
  Edinburg, TX 78539-2999

*Please Note: If you are a graduate of UTPA, UTB, or UTRGV you do not need to request an official transcript to be sent to the Graduate College.

The minimum admissions criteria for this program are:

- B.S. or B.A. in a STEM field or related field, with at least 3 advanced undergraduate courses in Mathematics from the following: Linear Algebra, Differential Equations, Modern Algebra I, Real Analysis I, Probability and Statistics I, Complex Variables OR Earned a Master’s degree in Mathematics or a related field from a regionally accredited institution in the United States or a recognized international equivalent in a similar or related field with at least 3 undergraduate classes as given above;
- Official transcripts from each institution attended (must be submitted directly to UTRGV).
- TOEFL score of 79 or better for international students if the medium of instruction in their bachelors or master’s program was not English.
- GRE General Test is required and the GRE Subject test in Mathematics is recommended.
- Three letters of recommendation.

Students entering with a bachelor’s degree complete 72-Hour coursework

Students entering with a master’s degree complete 57-Hour coursework

Interdisciplinary and bridge courses are available to non-math majors who do not have a BS/MS degree in mathematics.

Deadline to Apply

February 1st

For Further Information

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zhijun.qiao@utrgv.edu

UTRGV School of Mathematical & Statistical Sciences

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