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

Deadline to Apply

February 1st

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.

For Further Information
Contact:

Dr. Zhijun Qiao
PhD MSIA Program Director
zhijun.qiao@utrgv.edu

UTRGV School of Mathematical & Statistical Sciences

Edinburg: EMAGC 3.722 | (956) 665-3406
Brownsville: BLHSB 2.528 | (956) 882-7831

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