

DEPARTMENT OF MATHEMATICS AND STATISTICS

Graduate Program Contact Information:

Department of Mathematics and Statistics
11200 SW 8th Street, DM 430
Miami, FL 33199
Main Tel: [305-348-3769](tel:305-348-3769)
Math Tel: [305-348-2743](tel:305-348-2743)
Stats Tel: [305-348-2745](tel:305-348-2745)
Fax: 305-348-6158

APPLICATION PROCEDURES

Prospective candidates submit an application for admission into the graduate program online, *steps to apply and deadlines can be found on:* <https://admissions.fiu.edu/how-to-apply/graduate-applicant/>

- Applicants should arrange to have official transcripts from all colleges and/or universities attended and test scores (GRE, TOEFL/IELTS/duolingo, if a foreign student) sent to the Admissions Office.
- Transcripts in a language other than English must be translated and certified.
- Three letters of reference should be submitted.
- There is a \$30.00 application fee.

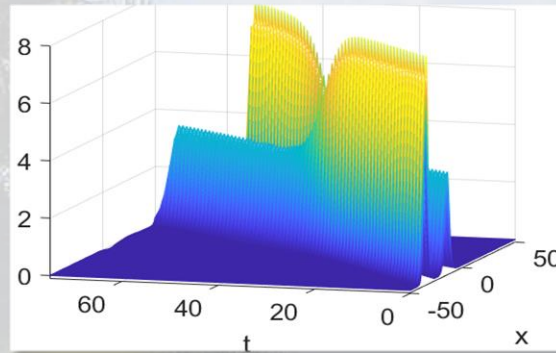
Florida International University has a rolling admissions policy.

The deadline for application for PhD /MS programs (in the Dept. of Math & Stats) for Fall admissions is in January of each year, though it is currently flexible due to the pandemic situation.

MASTER OF SCIENCE IN MATHEMATICS

For the Masters in Math program admission a student should have:

- a Bachelor's degree in a relevant discipline (from an accredited college or university).
- GPA 3.0 average or higher.
- GRE (waived in 2021).
- Three letters of recommendation.
- Personal Statement.
- International graduate student applicants (whose native language is not English) are required to have a TOEFL score of 80 or IELTS of 6.5, or equivalent.



Masters in Math Degree Options

There are two options a student can follow.

- 1) a completion of a minimum of 24 credits of graduate course work and a masters project for another 6 credits under the direction of a faculty member, thus, totaling of 30 credits.
- 2) a completion of 30 credit hours including electives as needed for students future career interests.

Risk Analysis and Management Track :

This track consists of 12 one-semester three credit graduate courses (36 credits), including one optional elective during the last semester of the program. This degree in intensive mode can be completed in 12 months (full time students would take four courses per semester to complete the program in three semesters), or at a regular pace ,or part-time as desired.

MASTER OF SCIENCE IN STATISTICS

For the Masters in Stats program admission a student should have:

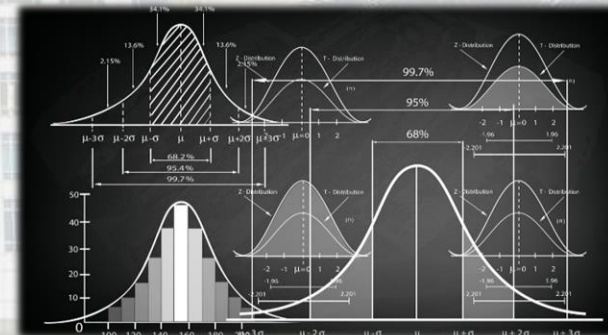
- a Bachelor's degree in a relevant discipline (from an accredited college or university).
- GPA 3.0 average or higher.
- GRE (waived in 2021)
- Three letters of recommendation.
- Personal Statement.
- International graduate student applicants (whose native language is not English) are required to have a TOEFL score of 80 or IELTS of 6.5, or equivalent.



Masters in Stats Degree Options

There are two options a student can follow:

- 1) thesis option: a completion of 36 credit hours, including 6 core courses, 4 elective courses or an area of concentration, and a master thesis.
- 2) comprehensive option: a completion of 36 credit hours, including 6 core courses, 6 electives and a comprehensive examination.



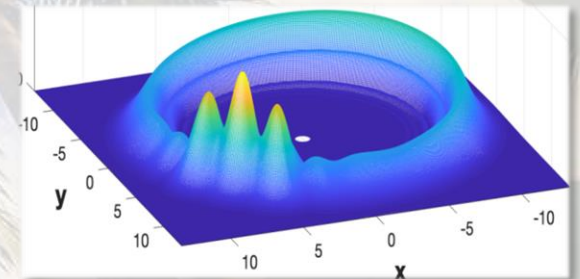
PhD in APPLIED MATH

For the PhD in Applied Math program admission a student should have:

- a Bachelor's or a graduate degree in Math, Stats or another quantitative field (from an accredited college or university).
- Math and math-related classes showing applicants skills in math-related fields.
- GPA 3.0 average or higher (in the last degree).
- GRE (waived in 2021).
- Three letters of recommendation.
- Personal Statement connecting with goals in applied math and possible research areas.
- International graduate student applicants (whose native language is not English) are required to have a TOEFL score of 80 or IELTS of 6.5, or equivalent.

Degree Requirements

1. Completing a total of 75 credits of coursework, including at least 15 of the PhD thesis research.
2. GPA 3.0 or higher in all required core courses
3. Cumulative average of 3.0 or higher in the 75 credits of coursework.
4. Successful completion of Qualifying Exams (2 out of 4 possible choices: Analysis, Diff. Equations, Numerical Analysis, Math Statistics)
5. Successful completion of the oral comprehensive exam (pre-candidacy).
6. Advancement to Candidacy (coursework, dissertation committee selection, passing of exams)
7. Original thesis research in mathematical sciences, submission of a dissertation.
8. Successful final oral PhD thesis defense.
9. Submission of ETD forms and dissertation.



Financial support available.
For more information, please, visit :
<https://case.fiu.edu/mathstat/>

Mathematics



Walter Carballosa
wcarball@fiu.edu
Gromov hyperbolic spaces
Discrete Geometry
Graph polynomials
Topological descriptors
Metric graphs



Laura De Carli
decarli@fiu.edu
Harmonic Analysis
Functional Analysis



Tedi Draghici
draghici@fiu.edu
Differential Geometry
Riemannian and Symplectic
Geometry



Julian Edward
edwardj@fiu.edu
Control Theory
Inverse Problems
Partial Differential Equations



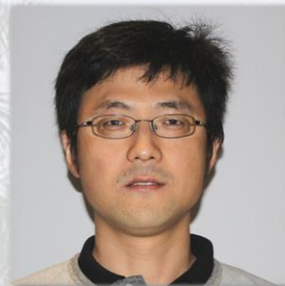
Eddie Fuller
efuller@fiu.edu
Topology
Networks
Math Education
STEM Institute



Ciprian Gal
cgal@fiu.edu
Nonlinear PDE, Fluid dynamics, Navier-Stokes equations, Elliptic & parabolic boundary value problems, Nonlocal mathematical models: fractional kinetics and anomalous diffusion, Perturbation theory



Gueo Grantcharov
grantchg@fiu.edu
Complex and Riemannian Geometry
Applications to String Theory



Yanqiu Guo
yanguo@fiu.edu
Analysis of evolution PDE
Navier-Stokes equations
Nonlinear wave equations
Mathematical models in geophysics



Kai Huang
khuang@fiu.edu
Scientific Computation
Numerical Analysis
Math Finance



Bao Qin Li
libaoqin@fiu.edu
Several Complex Variables
Related problems in Harmonic Analysis,
Partial Differential Equations, and
Number Theory



Xiaosheng Li
xli@fiu.edu
Partial Differential Equations
Inverse Problems
Financial Mathematics



Thomas Leness
leness@fiu.edu
Topology and geometry of low-dimensional manifolds
Gauge theoretic invariants of 3&4 dimensional manifolds

Mathematics



Svetlana Roudenko
sroudenko@fiu.edu
Nonlinear Partial Differential Equations
Harmonic Analysis
Signal and Image Analysis
Medical Imaging
Mathematical Biology



Philippe Rukimbira
rukim@fiu.edu
Differential Geometry
Symplectic and Contact Geometry



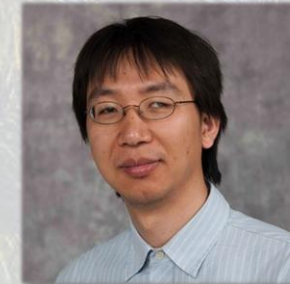
Theodore Tachim
tachimt@fiu.edu
Deterministic and Stochastic PDE
Numerical Analysis



Louis Tebou
teboul@fiu.edu
Control Theory
Partial Differential Equations
Applied Mathematics



Wei Wang
weiwang1@fiu.edu
Numerical analysis
Scientific computing
Computational fluid dynamics
Multiscale methods



Zhongming Wang
zwang6@fiu.edu
Finite difference, finite volume and
discontinuous Galerkin methods
Scientific computation and numerical
analysis
Applied Mathematics and Mathematical
Biology



Yuanchang Sun
yuasun@fiu.edu
Numerical Analysis
Modeling and Computation in Signal
Processing



Enrique Villamor
villamor@fiu.edu
Financial Math
Analysis

Statistics



Florence George

fgeorge@fiu.edu

Applied Statistics
Biostatistics
Distribution Theory
High Dimensional Data Analysis
Model Selection
Statistics in Medicine and Public Health



Sneh Gulati

gulati@fiu.edu

Nonparametric and Parametric
Inference
Statistical Inference from Censored Data
Reliability Analysis
Goodness of Fit Testing
Modeling Catastrophic Events



Golam Kibria

kibriag@fiu.edu

Applied Statistics, Biostatistics,
Distribution Theory, Environmental
Statistics, Pretest and Shrinkage
(Estimation), Ridge Regression,
Statistical Modeling, Statistical
Inference, Simulation Study



Wensong Wu

wenswu@fiu.edu

Bayesian methodologies in multiple
hypothesis testing and classification,
model selection and model averaging
for high-dimensional data, and statistical
learning theory and applications.



Hassan Zahedi

zahedih@fiu.edu

Reliability Theory
Survival Analysis /LifeTime Data
Multivariate Functions
Applied Stochastic Modeling
Statistical Quality Control

