Our Program:

RISK ANALYSIS & MANAGEMENT

MASTER OF SCIENCE IN
MATHEMATICS

APPLY NOW:
http://gradschool.fiu.edu/admissions.html

CONTACT INFORMATION

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RISK ANALYSIS & MANAGEMENT PROGRAM
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The Risk Analysis and Management is a Masters Program offered by the Department of Mathematics & Statistics at FIU. It is the only program of its kind in a public university in South Florida.

Eligibility Requirements
1. Bachelor’s degree in Mathematics or another quantitative science
2. 3.0 GPA
3. Graduate Record Examination score of at least 650 on the quantitative portion and 500 on verbal portion
4. Three letters of recommendation concerning the candidate’s achievement and potential, from persons familiar with the candidate’s previous academic performance

Course Requirements
Required courses (8):
MAP 6631 Introduction to Risk Analysis and Management
MAP 6635 Risk Analysis and Management I
MAP 6636 Risk Analysis and Management II
MAP 6218 Stochastic Calculus and Differential Equations
MAP 5117 Mathematics and Statistics Modeling in Finance
MAP 6632 PDE for Finance
CAP 5768 Introduction to Data Science

Elective courses (choose 4):
MAA 6616 Real Analysis
MAP 5204 Optimization and Linear Algebra
MAP 6637 Risk Analysis and Management III
ECO 7429 Topics in Econometrics
FIN 6426 Financial Management Policies
FIN 6428 Corporate finance
FIN 6487 Financial Risk Management
FIN 6515 Security Analysis
FIN 6538 Financial futures and fixed income derivatives
CAP 5610 Introduction to Machine Learning
CAP 5771 Principles of data mining
CAP 6619 Advanced topics in machine learning
ECP 6305 Advanced environmental economics
ENV 6614 Environmental Risk Management
STA 6326 Mathematical Statistics I

Above courses are not exhaustive, and can be substituted by other courses upon approval by program advisor.

Admission
Admission to the program requires applicants to have a firm grasp of mathematics at a high undergraduate level. This means Calculus through Multivariable Calculus, Linear Algebra and Differential Equations. Knowledge in Probability, Statistics, Computer Programming, Economics or Finance is recommended but not required. A student with promise but lacking prerequisites may be admitted after taking two preparatory courses offered in the Spring and Summer.

Tuition
For the academic year is:

*In State: Approximately $1400 per three credit course

*Out of State: Approximately $3000 per three credit course

For more information: https://onestop.fiu.edu/finances/estimate-your-costs/graduate-tuition-fees/
Some financial support is available.

Over twenty years after Merton and Scholes were awarded the Nobel Peace Prize in Economics for their work in the analysis of risk and return, the demand for financial mathematicians is greater than ever.