Graduate Certificate in Applied Statistics

The Graduate Certificate in Applied Statistics aims to provide graduate students in mathematics or other programs that rely heavily on quantitative analysis (e.g., psychology, biology, economics) with generalized training in industry-level statistical software and analysis.

Code	Title	Credits
Required Courses (6 credits)		
MATH 5554	Applied Statistics	3
MATH 5557	Applied Regression Analysis	3
Elective Courses (Select Two of the Following, 6 credits)		
MATH 5550	Mathematical Statistics I	3
MATH 5551	Mathematical Statistics II	3
MATH 5553	Topics in Statistics	1-3
MATH 5558	Experimental Design	3
MATH 5559	Applied Multivariate Analysis	3
MATH 6653	Advanced Topics in Probability and Statistics	3

3 credits of approved graduate statistics coursework in another field, such as Psychology, Biology, Economics, etc. Examples include: PSYC 6637 Multivariate Statistics and Research Design, BIO 6605 Biometry. Please work with your advisor if you wish to choose a course from another field. Students who are pursuing a master's or doctoral degree in another discipline are encouraged to select this option.

Admissions Requirements

Classified admission is necessary to complete the Certificate and is recommended by the graduate faculty of the Mathematics and Statistics Department in accordance with standards set by the Graduate School. Applicants must have a bachelor's degree from an accredited school and meet the Graduate School admission requirements. All applicants must submit an application to the Graduate School.

Completion of the following coursework, or equivalent, is required for admission.

- MATH 3350 Statistical Methods: 3 semester hours.

The following coursework, or equivalent, is highly recommended:

- MATH 2240 Linear Algebra: 3 semester hours.