BUILD YOUR FUTURE WITH GRADUATE STUDY IN MATHEMATHICS OR APPLIED STATISTICS

Students who earn their Master of Arts in Mathematics advance their careers in actuarial and accounting firms, in the pharmaceutical industry and in teaching, as well as in other fields. The Master of Science in Applied Statistics prepares students to work in industrial, governmental and educational institutions. Both programs also serve as a springboard for students who want to pursue doctoral degrees.

CHOOSE YOUR COURSE OF STUDY

Master of Arts in Mathematics

The MA may be completed on a part- or full-time basis, and is appropriate for those who have completed undergraduate course work in mathematics through multivariate calculus and linear algebra. The degree requires 30 credits, including one required course, two courses in analysis and seven electives.

**Required Course**
- Graduate Math Seminar

**Elective Courses***
- Geometry
- History of Math
- Technology in Teaching of Math
- Topics in the Teaching of Math
- Complex Analysis
- Linear Algebra
- Mathematical Logic
- Numerical Analysis I
- Numerical Analysis II
- Number Theory
- Financial Mathematics
- Dynamical Systems & Chaos
- Operations Research
- Mathematical Modeling
- Real Analysis
- Abstract Algebra
- Topics in Algebra
- Topology I
- Topics in Topology
- Certain courses listed under other graduate programs may serve as Mathematics electives with the consent of the student’s advisor.
Master of Science in Applied Statistics
Candidates for the Master’s degree have six years to complete their degree after starting the program. The degree requires 30 credits, and students must maintain at least a 3.00 grade point average and pass the Applied Statistics Comprehensive Examination.

Required Courses
- Statistical Methods
- Statistical Programming
- Statistical Theory I
- Statistical Theory II
- Regression Methods
- Linear Models

Elective Courses
- Multivariate Methods
- Categorical Data Analysis
- Design of Experiments
- Operations Research
- Mathematical Modeling
- Statistical Quality Control
- Time Series and Forecasting
- Survival Data Analysis
- Clinical Trials Design and Analysis
- Nonparametric Statistics
- Sampling Methods
- Stochastic Processes
- Selected Topics I
- Selected Topics II
- Independent Study

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