

Actuarial Mathematics and Statistics Minor

- Minor Requirements
 - Department of Mathematics
 - Department of Statistics
 - College of Arts and Sciences
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Minor Requirements (18 Hours)

Prerequisites:

- MATH 141 – Calculus I
- MATH 142 – Calculus II
- MATH 241 – Vector Calculus

Core Courses (9 Hours):

- MATH/STAT 511 – Probability
- STAT 512 – Mathematical Statistics
- STAT 513 – Theory of Statistical Inference

Three additional courses (9 Hours) selected from the following list

- MATH 344 – Applied Linear Algebra or
MATH 544 - Linear Algebra (prerequisite: MATH 300)
- MATH 514/STAT 522 – Financial Mathematics I
- MATH 515/STAT 523 – Financial Mathematics II
- MATH 520 – Ordinary Differential Equations (prerequisite: MATH 344 or 544)
- MATH 524 – Nonlinear Optimization (prerequisite: MATH 344 or 544)
- MATH 570 – Discrete Optimization (prerequisite: MATH 300)
- MATH 574 – Discrete Mathematics (prerequisite: MATH 300)
- STAT 520 – Forecasting and Time Series
- STAT 521 – Applied Stochastic Processes
- STAT/CSCE 587 – Big Data Analytics (prerequisite: STAT 513)

Note: Only one of MATH 344/544 can be counted for the minor.