# Department of Mathematics and Statistics: Master’s Plan Of Study

**Student:** ____________________________  **Program:**  M.A. in Mathematics  
**ID #:** ____________________________  **Concentration:**  Actuarial Mathematics  
**Advisor:** ____________________________

## COURSEWORK (MINIMUM 30 CREDIT HOURS)

Choose all or list replacement courses in elective hours.

- STA 631 Introduction to Probability (3)  
- STA 632 Introduction to Mathematical Statistics (3)  
- STA 655 Applied Probability Models (3)  
- MAT 686 Financial Mathematics for Actuaries (3)

Choose at least three.

- STA 642 Statistical Computing (3)  
- STA 665 Analysis of Survival Data (3)  
- STA 635 Theory of Linear Regression (3)  
- STA 691 Actuarial Exam Preparation Seminar (1)  
- STA 670 Categorical Data Analysis (3)  
- STA 671 Multivariate Analysis (3)  
- STA 682 Theory of Time Series (3)  
- STA 686 Actuarial Models I (3)  
- STA 687 Actuarial Models II (3)

Choose at most two additional STA course at the 600-level or above, excluding STA 667 and STA 699.

Choose at most two.

- ECO 641 Microeconomics (3)  
- ECO 646 Macroeconomics (3)  
- ISM 645 Principles of Predictive Analytics (3)  
- ISM 671 Organizing Data for Analytics (3)  
- MBA 702 Financial and Managerial Accounting (3)  
- MBA 707 Financial Management (3)
Choose remaining elective credits that may count toward the minimum 30 credit hours required.

☐ MAT 602 Seminar in Mathematical Software (3)  
☐ STA 698 Project in Statistics (3)  

Choose additional electives that do not count toward the required 30 hours.

☐ MAT 601 Seminar in the Teaching of Mathematics I (1)  
☐ MAT 603 Practicum in the Teaching of Mathematics (2)  

Capstone Experience

This concentration required the project capstone.

☐ Project  
Include 3 credit hours of STA 698 Project in Statistics in required hours.

Project supervisor: ____________________________
SIGNATURES

Sign and print below.

Student: ___________________________  Date: ________________

_______________________________

DGS: ___________________________  Date: ________________

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