

Department of Mathematics and Statistics: Master's Plan Of Study

Student: _____ Program: M.A. in Mathematics
 ID #: _____ Concentration: Mathematics
 Advisor: _____

COURSEWORK (MINIMUM 30 CREDIT HOURS)

SEMESTER & YEAR

Choose at least one or list approved alternative in elective hours.

- MAT 635 Differential Equations and Orthogonal Systems (3) _____
- MAT 691 Advanced Abstract Algebra (3) _____
- MAT 692 Advanced Abstract Algebra (3) _____
- MAT 695 Mathematical Analysis (3) _____
- MAT 696 Mathematical Analysis (3) _____

Choose at least three, including a year-long sequence.

- MAT 723 Numerical Mathematics (3) _____
- MAT 727 Linear Algebra (3) _____
- MAT 728 Numerical Linear Algebra (3) _____
- MAT 737 General Topology (3) _____
- MAT 741 Algebra II: Modules and Fields (3) _____
- MAT 742 Computational Algebraic Number Theory (3) _____
- MAT 743 Complex Analysis (3) _____
- MAT 745 Measure Theory (3) _____
- MAT 746 Real Analysis (3) _____
- STA 651 Mathematical Statistics (3) _____
- STA 652 Mathematical Statistics (3) _____
- CSC 653 Advanced Theory of Computation (3) _____
- CSC 656 Foundations of Computer Science (3) _____

Choose remaining elective credits approved by the DGS that may count toward the minimum of 30 credit hours required.

- MAT 602 Seminar in Mathematical Software (3) _____
 - MAT 687 Project in Mathematics (3) _____
 - MAT 699 Thesis (____ credit hours) _____
 - STA 699 Thesis (____ credit hours) _____
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- _____
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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

MONTH & YEAR

Choose one.

- Thesis _____
Include 6 credit hours of MAT 699 Thesis or STA 699 Thesis in required hours.

Thesis committee: _____(Chair)

- Project _____
Include 3 credit hours of MAT 687 Project in Mathematics in required hours.

Project supervisor: _____

- Comprehensive Exam _____
Do not include any hours of MAT 687, MAT 699, STA 698, or STA 699 in required hours.

Choose one type.

- Area exams: Choose two areas.
 - Mathematical Analysis _____
 - Linear Algebra and Matrix Theory _____
 - Linear Models _____
 - Mathematical Statistics _____

- Program exam:
 - Part 1 _____
 - Part 2 _____

List 18–21 credit hours from the program for the exam.

SIGNATURES

Sign and print below.

Student: _____ Date: _____

DGS: _____ Date: _____
