Mathematics Education, Secondary

Twelve core credits plus at least 18 credits chosen from the following list or other courses selected in consultation with the program advisor.

Required Courses:
EDCS 624E: Mathematics Curriculum Secondary, OR EDCS 624D: Mathematics Curriculum Middle Level AND EDCS 640H: Seminar in Teaching Mathematics

Recommended Courses
EDCS 494: Problem Solving in Mathematics Education
EDCS 495: Difficulties in Learning Mathematics
EDCS 653 (alpha)—may be taken once for each alpha
   B: Number and Pattern
   C: Pattern and Algebra
   D: Geometry and Measurement
   E: Probability and Statistics
   F: Integrated Mathematics Content
MATH 301: Introduction to Discrete Mathematics
MATH 321: Introduction to Real Analysis
MATH 352: Non-Euclidean Geometry
MATH 371: Elementary Probability Theory
MATH 373: Elementary Statistics
MATH 407: Introduction to Numerical Analysis
MATH 408: Numerical Analysis
MATH 412: Introduction to Abstract Algebra (I)
MATH 413: Introduction to Abstract Algebra (2)
MATH 420: Introduction to Theory of Numbers
MATH 431: Advanced Calculus (1)
MATH 432: Advanced Calculus (2)
MATH 442: Vector Analysis
MATH 471: Probability

Plus: Plan A Thesis or Plan B Project