



Elementary and Middle Level Mathematics Education, M.S. *master*

Required Credits: 34

Required GPA: 3.00

I. REQUIRED EDUCATION CORE

Complete the following courses:

- EDUC 6107 Advanced Educational Psychology (3 credits)
- MATH 6050 Assessment in the Mathematics Classroom (3 credits)
- MATH 6069 Mathematics and Culture (3 credits)

II. REQUIRED MATHEMATICS ELECTIVE COURSES

Complete the following courses:

- MATH 6061 Number Sense for Teachers (3 credits)
- MATH 6062 Number Theory for Teachers (3 credits)

Select at least 5 courses from the following:

- MATH 5065 Mathematical Foundations of Algebra (4 credits)
- MATH 5066 Geometry and Technology (4 credits)
- MATH 5067 Data, Probability, and Statistics (4 credits)
- MATH 6200 Structures of Discrete Mathematics (3 credits)
- MATH 6500 Geometry in the Classroom for Teachers (3 credits)
- MATH 6600 Probability for Teachers (3 credits)

III. REQUIRED PORTFOLIO AND RESEARCH

Note: MATH 6050 should be taken prior to the collection of evidence for the pedagogical portfolio.

Note: Consult with advisor before registering for MATH 6055.

Complete the following courses:

- MATH 6055 Pedagogical Portfolio and Action Research (2 credits)