

**MATHEMATICS EDUCATION:
 MASTER OF SCIENCE IN EDUCATION**

APPLICATION FOR ADMISSION TO CANDIDACY

Program Requirements

All courses are 3 credit hours
 unless otherwise indicated.
 Anticipated Completion
 Date

Mathematics Courses (12–15 credits)

	Semester Hrs.	Grade	Anticipated Completion Date
MAT 501 Mathematics for Teachers: Algebra	_____	_____	_____
MAT 521 Mathematics for Teachers: Geometry	_____	_____	_____
MAT 581 Mathematics for Teachers: Probability and Statistics	_____	_____	_____
MAT 601* Topics in Modern Algebra	_____	_____	_____
MAT 603 Theory of Matrices	_____	_____	_____
MAT 611* Topics in Real Analysis	_____	_____	_____
MAT 620 Modern Geometry: Selected Topics	_____	_____	_____
MAT 631 Foundations of Mathematics	_____	_____	_____
MAT 651 Theory of Numbers	_____	_____	_____
MAT 670 Discrete Math and Foundations of Computer Science	_____	_____	_____
MAT 681 Intermediate Probability	_____	_____	_____
MAT 683 Statistical Theory	_____	_____	_____
MAT 696 History of Mathematics	_____	_____	_____
MAT 699 Advanced Special Topics	_____	_____	_____
MAT 701 Modern Algebra I	_____	_____	_____
MAT 711 Analysis I	_____	_____	_____

*Required if not part of student's undergraduate program

Mathematics Education Courses (6–9 credits)

MED 601 Seminar in Teaching of Mathematics	_____	_____	_____
MED 602 Mathematics for the Secondary School Teacher. (6–9)	_____	_____	_____
MED 604 Teaching of Geometric Concepts	_____	_____	_____
MED 605 Teaching of Algebraic Concepts	_____	_____	_____
MED 606 Logo: Computer Programming II for Education	_____	_____	_____
MED 607 Technology in Math Education	_____	_____	_____
MED 683 Problem Solving and Problem Posing	_____	_____	_____

Curriculum and Research Courses (6 credits)

MED 595 Research Methods and Techniques in Mathematics Education	_____	_____	_____
MED 600 Contemporary Mathematics Curriculum Development	_____	_____	_____

Master's Project or Master's Thesis (3–6 credits)

Select one option:

MED 690 Master's Project	_____	_____	_____
MED 795 Thesis in Mathematics Education (3-6)	_____	_____	_____

Transfer Courses (10hrs. max SUNY. 6hrs. max other colleges.)

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Minimum Program Requirements (30 credits)

Date	Candidate	Signature
Date	Principal Advisor	Signature
Date	Chair	Signature
Date	Dean of School of Natural and Social Sciences	Signature