

**Master of Education Degree Program (M. Ed.)
for Secondary School Mathematics Teachers (Grades 6-12)**

PROGRAM OF STUDY (Athens)

The requirements for the Master of Education degree leading to T-5 Mathematics Certification for Secondary School Mathematics Teachers are outlined below for those students holding Georgia T-4 Mathematics Certification for Secondary School.

PEDAGOGY AND CURRICULUM (9 hours)

- _____ 3 EMAT 6900 History of Learning and Teaching in the United States
- _____ 3 EMAT 7050 Teaching Secondary School Mathematics
- _____ 3 EMAT 7080 Curriculum in Mathematics Education

TEACHING FIELD (15 hours) of graduate level MATH, STAT, or EMAT content courses. Examples include:

- _____ 3 MATH 6000 Modern Algebra and Geometry I
- _____ 3 MATH 6010 Modern Algebra and Geometry II
- _____ 3 MATH 7200 Foundations of Geometry I
- _____ 3 MATH 7210 Foundations of Geometry II
- _____ 3 STAT 6070 Probability and Statistics for Secondary Teachers
- _____ 3 STAT 6310 Statistical Analysis I
- _____ 3 STAT 6320 Statistical Analysis II
- _____ 3 STAT 6510 Mathematical Statistics I
- _____ 3 STAT 6520 Mathematical Statistics II
- _____ 3 EMAT 6450 Math in Context
- _____ 3 EMAT 6550 Contemporary School Mathematics
- _____ 3 EMAT 6650 Historical and Cultural Foundations of Mathematics
- _____ 3 EMAT 6600 Problem Solving in Mathematics
- _____ 3 EMAT 6680 Technology and Secondary School Mathematics
- _____ 3 EMAT 6690 Technology Enhanced Instruction in Secondary School Mathematics

Note: As a general rule, MATH 7001, 7002, 7003, 7020, 7030, and 7035 cannot be used in the teaching field; EMAT 6410, 6420, 6360, 7360, 7460, and 7700 generally cannot be used in the teaching field; STAT 6210, 6220 generally cannot be used in the teaching field.

RESEARCH AND LEADERSHIP (12 hours)

Required (6 hours):

- _____ 3 EMAT 7200 Mentoring in Mathematics Education
- _____ 3 EMAT 7700 Internship in Mathematics Education

Electives (6 hours as approved by faculty advisor). EMAT course are suggested. Examples include:

- _____ 3 EMAT TBD Understanding and Using Research in Mathematics Education
- _____ 3 EMAT TBD Current Trends in Mathematics Education
- _____ 3 ERSH 6600 Applied Educational Assessment

All candidates must complete an approved leadership project as required by the Graduate School.

Course selection must have the approval of a Mathematics Education faculty advisor. Course numbers are subject to change and should always be verified through your advisor.

Sample Program of Study

Plan 1 (even year Fall start):

Fall 1	Spring 1	Summer 1
EMAT 6900	EMAT 7080	EMAT 7200
Teaching Field	Teaching Field	Teaching Field
Fall 2	Spring 2	Summer 2
EMAT 7050	EMAT TBD (Using Research)	EMAT TBD (Current Trends)
EMAT 7700	Teaching Field OR STAT 6070	Teaching Field

This timeline is only a suggestion, and thus flexible based on student background and advisement from a Mathematics Education faculty member.
The Applied Project should be completed as advised.

Plan 2 (odd year Fall start):

Fall 1	Spring 1	Summer 1
EMAT 7050	EMAT TBD (Using Research)	EMAT TBD (Current Trends)
Teaching Field	Teaching Field OR STAT 6070	and/or Teaching Field
		EMAT 7200 (Required)
Fall 2	Spring 2	Summer 2*
EMAT 7700	EMAT 7080	MATH 6000 or ERSH 6600
EMAT 6900	Teaching Field	Teaching Field

This timeline is only a suggestion, and thus flexible based on student background and advisement from a Mathematics Education faculty member. The Applied Project should be completed as advised.

*Summer 2 coursework is dependent upon completed Summer 1 coursework.

The Applied Project should be completed as advised.

Useful Information: A MATH 6000 section is typically offered during summer semesters. STAT 6070 is offered during even-year Springs (starting Spring 2020). ERSH 6600 is typically a regular offering including summer semesters.

Course selection must have the approval of a Mathematics Education faculty advisor. Course numbers are subject to change and should always be verified through your advisor.