Master of Arts in Teaching Degree Program (MAT) for Secondary School Mathematics Teachers (Grades 6-12)

PROGRAM OF STUDY (46 Total Hours)

EDUCATIONAL FOUNDATIONS (3 hours)
_____ 3 ERSH 6600 Applied Educational Assessment Problems

CURRICULUM AND INSTRUCTION (12 hours)
_____ 3/1 EMAT 6800/L Teaching Secondary School Mathematics I
_____ 3/1 EMAT 6850/L Teaching Secondary School Mathematics II
_____ 3/1 EMAT 6900/L Teaching Secondary School Mathematics III

TEACHING FIELD (18 graduate hours)
All students must complete the 33 hours of mathematics teaching field courses required for certification* (including 24 hours of upper division courses) with a grade of C or better. To satisfy the master’s requirement, 18 additional graduate hours must be taken in the teaching field.

Required (9 hours):
_____ 3 EMAT 6810 Connections in Secondary Mathematics I
_____ 3 EMAT 6860 Connections in Secondary Mathematics II
_____ 3 EMAT 6910 Connections in Secondary Mathematics III

Other Examples include but are not limited to (9 hours):
_____ 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 (strongly recommended)
_____ 4 STAT 6315 Statistical Methods for Researchers
_____ 3 EMAT 6550 Contemporary School Mathematics
_____ 3 EMAT 6450 Mathematics in Context
_____ 3 EMAT 6500 Connections in Secondary School Mathematics
_____ 3 EMAT 6550 Contemporary School Mathematics
_____ 3 EMAT 6600 Problem Solving in Mathematics
_____ 3 EMAT 6650 Historical and Cultural Foundations of Mathematics
_____ 3 EMAT 6680 Technology and Secondary School Mathematics
_____ 3 EMAT 6690 Technology Enhanced Instruction in Secondary School Mathematics
_____ 3 EMAT 6700 Advanced Explorations with Technology in 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; STAT6210, 6220 generally cannot be used in the teaching field.

* See below for certification requirements.

Course selection must have the approval of a Mathematics Education faculty advisor.
STUDENT TEACHING AND SEMINAR (13 hours)

In addition to 6800L, 6850L, and 6900L field experiences (see Curriculum and Instruction), each candidate must complete 10 hours of supervised field experience, either through student teaching (EMAT 7460) or an internship (EMAT 7700), along with a professional seminar in teaching mathematics (EMAT 6950).

_____ 10 EMAT 7460 or 7700 Field Experience
_____ 3 EMAT 6950 Professional Seminar

The above coursework typically occurs across two Fall-Spring or Spring-Fall sequences. No coursework should occur during the STUDENT TEACHING/INTERNSHIP AND SEMINAR semester.

ADDITIONAL REQUIREMENTS:

All candidates must meet certification requirements listed on the following page. These requirements may necessitate taking courses beyond those needed for the MAT (e.g., SPED 2000).

All candidates must obtain a passing score on GACE II test to be eligible to apply for certification.

All candidates must pass the mathematics education applied project as required by the Graduate School.

Approximate MAT Plan of Study

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<th>Semester 1</th>
<th>Semester 2</th>
<th>SUMMER(S)</th>
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<td>EMAT 6800/6800L</td>
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Summer coursework is optional, and can occur before Semester 1 and after Semester 4 in addition to between semesters. This timeline is only a suggestion, and thus flexible based on student background and advisement from a Mathematics Education faculty member.

Course selection must have the approval of a Mathematics Education faculty advisor.
Certification in Secondary School Mathematics
(For Candidates Holding a content Bachelor's Degree)

The following requirements must be met to qualify for certification to teach mathematics in grades 6-12 in Georgia. An advisor will look at your prior coursework and compare it to the list below to determine what courses you will need to take at UGA.

Mathematics (33 hours)
A total of 33 hours of teaching field courses. (These can include MATH, STAT, or some EMAT courses.) Of the 33 hours, there must be at least 24 hours of upper division (post-calculus) courses including the following:

_____ 4 MATH 2250 Calculus I
_____ 4 MATH 2260 Calculus II
_____ 3 MATH 3000 Linear Algebra
_____ 3 MATH 5/7200 College Geometry
_____ 3 MATH 4/6000 Modern Algebra and Geometry I
_____ 3 STAT 4/6070 or STAT 4210 or STAT 6310 or MATH 4/6600

We recommend:

_____ 3 EMAT 6810 Connections in Secondary Mathematics I
_____ 3 EMAT 6860 Connections in Secondary Mathematics II
_____ 3 EMAT 6910 Connections in Secondary Mathematics III

Professional Education

EDUCATIONAL FOUNDATIONS (3 hours):
One course from:

_____ 3 EFDN/EDUC 2110 or 2120
_____ 3 EPSY 2130, 6010, 6060 or 6800
_____ 3 ERSH 6200, 6300, or 6600

EXCEPTIONALITY (3 hours; PSC Requirement):
One course from:

_____ 3 SPED 2000 or 4/6030

CURRICULUM AND INSTRUCTION (9 hours):

_____ 3/1 EMAT 6800/L Teaching Secondary School Mathematics I*
_____ 3/1 EMAT 6850/L Teaching Secondary School Mathematics II*
_____ 3/1 EMAT 6900/L Teaching Secondary School Mathematics III

*Can be taken concurrently

STUDENT TEACHING, INTERNSHIP, TEACHING EXPERIENCE (13 hours):

_____ EMAT 5/7460 or EMAT 7700
_____ EMAT 6950

In addition, candidates for certification must pass the appropriate GACE exams and edTPA (portfolio assessment). Please note pre-service certificate and entry/exit ethics assessment requirements: http://epr.coe.uga.edu/gapsc/pre-service-certificate/

Course selection must have the approval of a Mathematics Education faculty advisor.