

Master of Arts Degree Program (M.A.)

PROGRAM OF STUDY

EDUCATIONAL PSYCHOLOGY (3 hours)

Typically one course from:

- _____ 3 EPSY 6010 Foundation of Human Development for Education
- _____ 3 EPSY 6060 Foundations of Motivation for Education
- _____ 3 EPSY 6800 Foundations of Cognition for Education

CURRICULUM AND INSTRUCTION (6 hours)

- _____ 3 EMAT 7050 Teaching Secondary School Mathematics
- _____ 3 EMAT 7080 Curriculum in Mathematics Education

TEACHING FIELD (18 hours) of graduate level MATH, STAT, or EMAT content courses, at least 9 of which must have an MATH prefix. Examples include:

- _____ 3 MATH 6000 Modern Algebra and Geometry I
- _____ 3 MATH 6010 Modern Algebra and Geometry II
- _____ 3 MATH 6100 Real Analysis
- _____ 3 MATH 6150 Complex Variables
- _____ 3 MATH 6200 Point Set Topology
- _____ 3 MATH 6400 Number Theory
- _____ 3 MATH 7200 Foundations of Geometry I
- _____ 3 MATH 7210 Foundations of Geometry II
- _____ 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 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; STAT6210, 6220 generally cannot be used in the teaching field.

RESEARCH: 3 hours (Additional courses or experiences beyond those listed here may be necessary to prepare for conducting thesis research. Such courses/experiences are at the discretion of the advisor and are in addition to the 30 hours outlined here.)

- _____ 3 EMAT 7300 Mathematics Education thesis.

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

Additional requirements: Successful defense of the thesis is required.