MASTER OF SCIENCE IN MATHEMATICS
MATHEMATICS EDUCATION TRACK
NON-THESIS PLAN

MAJOR CURRICULUM - MATHEMATICS

36 SCH

Required courses:

MATH 5305 - Real Analysis I
MATH 5320 - Complex Variables I
MATH 5330 - Abstract Algebra I
MATH 5365 - Topology
MATH 5370 - Mathematical Modeling I
Required Education Courses: five of the following  
15 SCH

EDCI 5315 - Design for Instruction
EDDP 5327 - Educating Diverse Populations: Teaching Diverse Students
EDGR 5320 - Foundations of Research
EDIT 5322 - Technology Applications for Secondary Mathematics & Science Teachers
EDME 5310 - Problem-solving Techniques for Secondary Mathematics Teachers
EDCI 5305 - Advanced Curriculum Issues in Education
EDCI 5313 - Foundations of Curriculum
EDCI 5317 - Evaluation of Curriculum and Instruction
EDCI 5319 - Advanced Theories of Learning
EDCI 5321 - Collegiate Coaching and Mentoring

One course chosen from:  
3 SCH

EDME 5390 - Issues in Secondary Mathematics Education
EDCI 5399 - Special Issues in Curriculum and Instruction: Issues in Mathematics Education

Elective math courses: 9 SCH of 5000-level MATH courses  
9 SCH

TOTAL  
36 SCH

Justifications:
For the non-thesis education track of the mathematics MS degree program, the current catalog requires education-school courses that, while in the catalog, have never actually been offered and will not be offered in the foreseeable future (according to Prof. Diana Linn). Informed by consultation with the Curriculum and Pedagogy department chair about their course schedule, we recommended the above more feasible and flexible version of the non-thesis education track.

Approvals:

Signature  
Qingwen Ni  
Rohitha Goonatilaka, Ph.D.  
Thomas R. Mitchell

Date  
October 9, 2014  
Oct. 15/14  
(Handwritten)

Chair  
Department Curriculum Committee
Chair  
Department
Chair  
College Curriculum Committee
Dean  
Provost