



CATALOG YEAR 2015-2016

COLLEGE/SCHOOL/SECTION: _____

Course: Add: Delete:
(check all that apply) Change: Number Title SCH Description Prerequisite

Response Required: New course will be part of major minor as a required or elective course

Response Required: New course will introduce , reinforce , or apply concepts

Response Required: Grade Type Normal (A-F) CR/NC P/F

If new, provide Course Prefix, Number, Title, **Measurable** Student Learning Outcomes, SCH Value, Description, prerequisite, and lecture/lab hours if applicable. If in current online catalog, provide change and attach text with changes in red and provide a brief justification.

Program: Delete: Add: Change: x Attach new/changed Program of Study description and 4-year plan. If in current online catalog, provide change and attach text with changes in red.

Program Learning Outcomes: Add: Change: Attach listing of program learning outcomes.

Minor: Add: Delete: Change: Attach new/changed minor. If in current online catalog, provide change and attach text with changes in red.

College Introductory Pages: Add information: Change information:
Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

Other: Add information: Change information: Attach new/changed information. If in current online catalog, provide change and attach text with changes in red.

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

MAJOR CURRICULUM - MATHEMATICS

36
SCH

Required courses:

~~1812~~
SCH

[MATH 5305 - Real Analysis I](#)

[MATH 5320 - Complex Variables I](#)

[MATH 5330 - Abstract Algebra I](#)

[MATH 5365 - Topology](#)

~~[MATH 5370 - Mathematical Modeling I](#)~~

MATH 5375 – Probability Theory

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~~

9 SCH

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

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

Date

Chair
Department Curriculum Committee

Qingwen Ni

Digitally signed by Qingwen Ni
DN: cn=Qingwen Ni, o=TAMU, ou=TAMU,
email=oni@tamui.edu, c=US
Date: 2014.10.08 11:24:02 -05:00

Chair
Department

Rohitha Goonatilake, Ph.D.

Digitally signed by Rohitha Goonatilake, Ph.D.
DN: cn=Rohitha Goonatilake, o=Texas A and M International
University, ou=Department of Engineering, Mathematics and
Physics COAS, email=raragoo@tamui.edu, c=US
Date: 2014.10.09 07:48:27 -05:00

October 9, 2014

Chair
College Curriculum Committee



Oct. 15/14

Dean

Thomas R. Mitchell

Digitally signed by Thomas R. Mitchell
DN: cn=Thomas R. Mitchell, o=Texas A&M
International University, ou=College of Arts &
Sciences, email=tmitchell@tamui.edu, c=US
Date: 2014.10.15 14:35:25 -05:00

Provost

