Program Approval Form

GEORGE MASON UNIVERSITY

For approval of new programs and deletions or modifications to an existing program.

Action Requested:

☐ Create New (SCHEV approval required except for minors)
☐ Inactivate Existing
☒ Modify Existing (check all that apply)
    ☐ Title (SCHEV approval required except for minors)
    ☐ Concentration (Choose one): ☐ Add ☐ Delete ☐ Modify
    ☒ Degree Requirements
    ☐ Admission Standards/ Application Requirements
    ☐ Other Changes: _____

Type (Check one):

☐ B.A.   ☐ B.S.   ☐ Minor
☐ M.A.   ☒ M.S.   ☐ M.Ed.
☐ Ph.D.
☐ Undergraduate Certificate*
☐ Graduate Certificate*
☐ Other:

College/School:	College of Science	**Department:**	Mathematical Sciences
Submitted by:	Rebecca Goldin	**Ext:** 3-1480	**Email:** rgoldin@gmu.edu

Effective Term: Fall 2015

Please note: For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

It has long been understood that 500-level courses should not count toward the MS degree. This is making it clear in the catalog.

Program Title: (Required)
Title must identify subject matter. Do not include name of college/school/dept.

Concentration(s):

Admissions Standards / Application Requirements:
(Required only if different from those listed in the University Catalog)

Degree Requirements:
Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Existing	New/Modified
Mathematics, MS	Mathematics, MS

Coursework (24 credits)
 	
Candidates for the Mathematics, MS must satisfy all requirements for master's degrees as expressed in the Academic Policies section of this catalog.
  • MATH 675 - Linear Analysis Credits: 3
 	
  • Three courses chosen from the following:
 	
  • MATH 621 - Algebra I Credits: 3
 	
  • MATH 631 - Topology I: Topology of Metric Spaces Credits: 3
 	
  • MATH 677 - Ordinary Differential Equations Credits: 3
	Coursework (24 credits)
	
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	  • Three courses chosen from the following:
	
	  • MATH 621 - Algebra I Credits: 3
	
	  • MATH 631 - Topology I: Topology of Metric Spaces Credits: 3
	
	  • MATH 677 - Ordinary Differential Equations Credits: 3

• MATH 685 - Numerical Methods Credits: 3 • Four approved graduate courses (12 credits), at least two of which are MATH courses. All four courses must be approved by the student's advisor. Courses not listed as MATH courses must be approved by the Graduate Committee. Different rules apply if the student wishes to count graduate actuarial courses toward his or her degree (consult the graduate coordinator). • MATH 600 through MATH 614 cannot be used for credit towards the Mathematics, MS.	• MATH 685 - Numerical Methods Credits: 3 • Four approved graduate courses (12 credits), at least two of which are MATH courses. All four courses must be approved by the student's advisor. Courses not listed as MATH courses must be approved by the Graduate Committee. Different rules apply if the student wishes to count graduate actuarial courses toward his or her degree (consult the graduate coordinator). • MATH 500 through MATH 614 cannot be used for credit towards the Mathematics, MS, with the exception of MATH 555 and MATH 556.

Courses offered via distance: (if applicable)		
TOTAL CREDITS REQUIRED:		

*For Certificates Only: Indicate whether students are able to pursue on a ☐ **Full-time basis** ☐ **Part-time basis**

Approval Signatures

(signature) 1/12/15		
Department Date	College/School Date	Provost's Office Date
		Required for Minors and Interdisciplinary Programs

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

Unit Name	Unit Approval Name	Unit Approver's Signature	Date

For Graduate Programs Only

Graduate Council Member	Provost Office	Graduate Council Approval Date

For Registrar Office's Use Only: Received_____ Banner_____ Catalog_____   *revised 6/7/12*

Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)

The form above is processed by the Office of the University Registrar. This second page is for the COSCC's reference. Please complete the applicable portions of this page to clearly communicate what the form above is requesting.

FOR ALL PROGRAMS (required)

Program Title:

Date of Departmental Approval:

FOR INACTIVATED PROGRAMS (required if inactivating a program)
   • Reason for Inactivation:

FOR MODIFIED PROGRAMS (required if modifying a program)
   • Summary of the Modification:
-Clarification of which 500-level courses can count toward the Mathematics, MS, and which cannot.

   • Text before Modification (title, degree requirements, etc.):

Coursework (24 credits)

Candidates for the Mathematics, MS must satisfy all requirements for master's degrees as expressed in the Academic Policies section of this catalog.

   • MATH 675 - Linear Analysis Credits: 3

   • Three courses chosen from the following:

   • MATH 621 - Algebra I Credits: 3

   • MATH 631 - Topology I: Topology of Metric Spaces Credits: 3

   • MATH 677 - Ordinary Differential Equations Credits: 3

   • MATH 685 - Numerical Methods Credits: 3

   • Four approved graduate courses (12 credits), at least two of which are MATH courses. All four courses must be approved by the student's advisor. Courses not listed as MATH courses must be approved by the Graduate Committee. Different rules apply if the student wishes to count graduate actuarial courses toward his or her degree (consult the graduate coordinator).

MATH 600 through MATH 614 cannot be used for credit towards the Mathematics, MS.

   • Text after Modification (title, degree requirements, etc.):

Coursework (24 credits)

Candidates for the Mathematics, MS must satisfy all requirements for master's degrees as expressed in the Academic Policies section of this catalog.

   • MATH 675 - Linear Analysis Credits: 3

   • Three courses chosen from the following:

   • MATH 621 - Algebra I Credits: 3

   • MATH 631 - Topology I: Topology of Metric Spaces Credits: 3

   • MATH 677 - Ordinary Differential Equations Credits: 3

   • MATH 685 - Numerical Methods Credits: 3

   • Four approved graduate courses (12 credits), at least two of which are MATH courses. All four courses must be approved by the student's advisor. Courses not listed as MATH courses must be

approved by the Graduate Committee. Different rules apply if the student wishes to count graduate actuarial courses toward his or her degree (consult the graduate coordinator).

- <u>MATH 500</u> through <u>MATH 614</u> cannot be used for credit towards the <u>Mathematics, MS</u>, with the exception of MATH 555 and MATH 556.

- Reason for the Modification:

To clarify which courses will count toward the Mathematics, MS.

FOR NEW PROGRAMS (required if creating a new program)
- Reason for the New Program:

- Relationship to Existing Programs:

- Relationship to Existing Courses:

- Semester of Initial Offering:

- Insert Tentative SCHEV Proposal Below