



# Program Approval Form

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  
☒ Master's  
☐ Ph.D.  
☐ Undergraduate Certificate\*  
☐ Graduate Certificate\*  
☐ Bachelor's/Accelerated Master's ☐ Other:

College/School:  
Submitted by:

COS  
Matthias Renz

Department:

Computational and Data Sciences

Ext: 3-5873

Email:

mrenz@gmu.edu

Effective Term:

Fall

2017

**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)

GRE is dispensable given the academic background required for this program.

	Existing	New/Modified
<b>Program Title:</b> (Required) Title must identify subject matter. Do not include name of college/school/dept.	Computational Science, MS	
<b>Concentration(s):</b>		
<b>Admissions Standards / Application Requirements:</b> (Required only if different from those listed in the University Catalog)	<p>Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Admissions section of this catalog. Applicants to the Computational Science, MS should have academic backgrounds in physical or biological sciences, engineering, mathematics, or computer science. They should have an undergraduate degree from a regionally accredited institution with a GPA of at least 3.00 in their last 60 credits of study. In addition, applicants should have taken at least one course in differential equations and have facility in using a high-level computer programming language.</p> <p>To apply, prospective students should complete the online application, supply two copies of official transcripts from each university attended, a current résumé, and an expanded goals statement. Applicants should also provide three letters of recommendation and an official report of scores on the GRE-GEN. The GRE-SUB is recommended if it is given in the student's undergraduate major. The GRE requirement will be waived if the student holds a master's degree from a regionally accredited U.S. institution. TOEFL scores are required of all international applicants. For more information, see the Admission of International Students section in the Admissions section of this catalog.</p>	<p>Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Admissions section of this catalog. Applicants to the Computational Science, MS should have academic background <b>in the following appropriate fields:</b> physical or biological sciences, engineering, mathematics, or computer science. They should have an undergraduate degree from a regionally accredited institution with a GPA of at least 3.00 in their last 60 credits of study. In addition, applicants should have taken at least one course in differential equations and have facility in using a high-level computer programming language.</p> <p>To apply, prospective students should complete the <b>Mason Graduate Application</b>, supply two copies of official transcripts from each university attended, a current résumé, and an expanded goals statement. Applicants should also provide <b>two</b> letters of recommendation and an official report of scores on the GRE-GEN. The GRE-SUB is recommended if it is given in the student's undergraduate major. The GRE requirement will be waived if the student holds a <b>bachelor's or a master's</b> degree from a regionally accredited U.S. institution <b>in the appropriate fields as listed above</b>. TOEFL scores are required of all international applicants. For more information, see the Admission of International Students section in the Admissions section of this catalog.</p>
<b>Courses offered via distance:</b> (if applicable)		
<b>TOTAL CREDITS REQUIRED:</b>		

\*For Certificates Only: Indicate whether students are able to pursue on a

☐ Full-time basis

☐ Part-time basis

## Approval Signatures

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 Undergraduate Programs only

\_\_\_\_\_  
Undergraduate Council Member

\_\_\_\_\_  
Provost Office

\_\_\_\_\_  
Undergraduate Council Approval Date

### For Graduate Programs Only

\_\_\_\_\_  
Graduate Council Member

\_\_\_\_\_  
Provost Office

\_\_\_\_\_  
Graduate Council Approval Date

**For Registrar Office's Use Only:** Received \_\_\_\_\_ Banner \_\_\_\_\_ Catalog \_\_\_\_\_ revised 9/2/2016

## 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: Computational Science, MS

Date of Departmental Approval: 04/05/2017

### **FOR MODIFIED PROGRAMS** (required if modifying a program)

- Summary of the Modification: Modification of Admissions Standards / Application Requirements.
- Text before Modification (title, degree requirements, etc.):

Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Admissions section of this catalog. Applicants to the Computational Science, MS should have academic backgrounds in physical or biological sciences, engineering, mathematics, or computer science. They should have an undergraduate degree from a regionally accredited institution with a GPA of at least 3.00 in their last 60 credits of study. In addition, applicants should have taken at least one course in differential equations and have facility in using a high-level computer programming language.

To apply, prospective students should complete the online application, supply two copies of official transcripts from each university attended, a current résumé, and an expanded goals statement. Applicants should also provide three letters of recommendation and an official report of scores on the GRE-GEN. The GRE-SUB is recommended if it is given in the student's undergraduate major. The GRE requirement will be waived if the student holds a master's degree from a regionally accredited U.S. institution. TOEFL scores are required of all international applicants. For more information, see the Admission of International Students section in the Admissions section of this catalog.

- Text after Modification (title, degree requirements, etc.):  
Applicants to all graduate programs at George Mason University must meet the admission standards and application requirements for graduate study as specified in the Admissions section of this catalog. Applicants to the Computational Science, MS should have academic background **in the following appropriate fields:** physical or biological sciences, engineering, mathematics, or computer science. They should have an undergraduate degree from a regionally accredited institution with a GPA of at least 3.00 in their last 60 credits of study. In addition, applicants should have taken at least one course in differential equations and have facility in using a high-level computer programming language.

To apply, prospective students should complete the **Mason Graduate Application**, supply two copies of official transcripts from each university attended, a current résumé, and an expanded goals statement. Applicants should also provide **two** letters of recommendation and an official report of scores on the GRE-GEN. The GRE-SUB is recommended if it is given in the student's undergraduate major. The GRE requirement will be waived if the student holds a **bachelor's or** a master's degree from a regionally accredited U.S. institution **in the appropriate fields as listed above**. TOEFL scores are required of all international applicants. For more information, see the Admission of International Students section in the Admissions section of this catalog.

- Reason for the Modification:  
GRE is dispensable given the academic background required for this program.