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
- [X] Modify Existing (check **ALL** that apply)
  - [ ] Title (SCHEV approval required except for minors)
  - [ ] **Concentration** (Choose one): [ ] *Add* [ ] *Delete* [ ] *Modify*
  - [X] Degree Requirements
  - [ ] Admission Standards/ Application Requirements
  - [ ] Other Changes: _____

Type (Check one)**:**

- [ ] B.A.   [ ] B.S.   [ ] Minor (req. C3 approval)
- [ ] M.A.   [ ] M.S.   [ ] M.Ed.
- [X] Ph.D.
- [ ] Undergraduate Certificate* (req. C3 approval)
- [ ] Graduate Certificate*
- [ ] Bachelor's/Accelerated Master's   [ ] Other:

College/School:	College of Science	**Department:**	Computational & Data Science
Submitted by:	Karen Underwood	**Ext:** 3-9298	**Email:** kunderwo@gmu.edu

Effective Term: Fall 2016

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)

This modification gives students more options to select as their "extended core" courses. The addition of these added courses increases the probability that they will align with all CSS students' areas of research.

	Existing	New/Modified
Program Title: (Required) Title must identify subject matter. Do not include name of college/school/dept.	Computational Social Science	
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	SEE ATTACHED	SEE ATTACHED
Courses offered via distance: (if applicable)		
TOTAL CREDITS REQUIRED:	72	72

*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 Minors and UG Certificates only (Cross-College Curriculum Committee Approval)

_____	_____	_____
C3 Committee Member	Provost Office	C3 Committee Approval Date

For Graduate Programs Only

_____	_____	_____
Graduate Council Member	Provost Office	Graduate Council Approval Date

<u>Program Proposal Submitted to the College of Science Curriculum Committee (COSCC)</u>

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.

<u>FOR ALL PROGRAMS</u> (required)
Program Title: Computational Social Science

Date of Departmental Approval:

<u>FOR INACTIVATED PROGRAMS</u> (required if inactivating a program)
- Reason for Inactivation:

<u>FOR MODIFIED PROGRAMS</u> (required if modifying a program)
- Summary of the Modification: Increasing the number of extended core CSS course options.

- Text before Modification (title, degree requirements, etc.):
  6 credits of extended core CSS courses chosen from the following:
- CSS 625 - Complexity Theory in the Social Sciences Credits: 3
- CSS 645 - Spatial Agent-Based Models of Human-Environment Interactions Credits: 3
- CSS 692 - Social Network Analysis Credits: 3

- Text after Modification (title, degree requirements, etc.):
  6 credits of extended core CSS courses chosen from the following:
- CSS 625 - Complexity Theory in the Social Sciences Credits: 3
- CSS 635 - Cognitive Foundations of Computational Social Science Credits: 3
- CSS 643 - Land-Use Modeling Techniques and Applications Credits: 3
- CSS 645 - Spatial Agent-Based Models of Human-Environment Interactions Credits: 3
- CSS 661 - Complex Adaptive Systems in Public Policy Credits: 3
- CSS 692 - Social Network Analysis Credits: 3
- CSS 695 - Agent-based Computational Economics Credits: 3

- Reason for the Modification: These courses were put in place during the setup of the program. Over time our courses and interests of the students has grown. By adding to the extended core CSS course options, students have a better chance of selecting a course that aligns with his/her research area.

<u>FOR NEW PROGRAMS</u> (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

Attachment to CSS Catalog Degree Requirements

Existing	New/Modified
6 credits of extended core CSS courses chosen from the following: • CSS 625 - Complexity Theory in the Social Sciences Credits: 3 • CSS 645 - Spatial Agent-Based Models of Human-Environment Interactions Credits: 3 • CSS 692 - Social Network Analysis Credits: 3	6 credits of extended core CSS courses chosen from the following: • CSS 625 - Complexity Theory in the Social Sciences Credits: 3 • CSS 635 - Cognitive Foundations of Computational Social Science Credits: 3 • CSS 643 - Land-Use Modeling Techniques and Applications Credits: 3 • CSS 645 - Spatial Agent-Based Models of Human-Environment Interactions Credits: 3 • CSS 661 - Complex Adaptive Systems in Public Policy Credits: 3 • CSS 692 - Social Network Analysis Credits: 3 • CSS 695 - Agent-based Computational Economics Credits: 3