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

Type (Check one)**:**

- [ ] B.A.   [ ] B.S.   [ ] Minor
- [ ] Undergraduate Certificate
- [ ] M.A.   [ ] M.S.   [ ] M.Ed.
- [ ] Ph.D.   [X] Graduate Certificate
- [ ] Other: _____

College/School: College of Science	**Department:** Geography and Geoinformation Science
Submitted by: Timothy Leslie	**Ext:** 3-4336 **Email:** tleslie@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)

See Attached

	Existing	New/Modified
Program Title: (Required) Title must identify subject matter. Do not include name of college/school/dept.	Geographic Information Sciences	
Concentration(s):	None	
Admissions Standards / Application Requirements: (Required only if different from those listed in the University Catalog)	None	
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:		

Approval Signatures

_____   _____   _____
Department   Date   College/School   Date   Provost's Office   Date
                                                    Interdisciplinary Council Use Only

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

Proposed Program Modifications for the Graduate Certificate in GIS
Fall 2015

1. **Modify** elective requirement to include GGS 692 (Web GIS).
    This is a new course we'd like to include as an option in the GIS certificate.

2. **Remove** elective options of GGS 681 and GGS 690
    We are removing these courses from our curriculum.

3. **Remove** core course option CEIE 510 since course content covered by other GGS electives.

4. **Remove** core course option GGS 671 and have it as an elective.

5. **Remove** electives CEIE 685, INFS 614, INFS 755 since other GGS electives cover course content.

Approvals:
-   9/25/14: Approved by the departmental curriculum committee
-   10/14/14: Approved at GGS department meeting

Current GIS Certificate	GIS Certificate *After Proposed Modifications*
Core: (6 credits) GGS 553 OR CEIE 510 GGS 563 OR GGS 671	*Core: (6 credits)* GGS 553 GGS 563
Electives (9 credits) GGS 505 GGS 531 GGS 551 GGS 560 GGS 579 GGS 605 GGS 631 GGS 650 GGS 653 GGS 655 GGS 658 GGS 660 GGS 661 GGS 664	Electives (9 credits) GGS 505 GGS 531 GGS 551 GGS 560 GGS 579 GGS 605 GGS 631 GGS 650 GGS 653 GGS 655 GGS 658 GGS 660 GGS 661 GGS 664 **GGS 671 (Algorithms & GIS)** **GGS 675 (Location Science)** **GGS 692 (Web GIS)**
GGS 681 GGS 690 GGS 772 GGS 773 GGS 787 CEIE 685 INFS 614 INFS 755	GGS 772 GGS 773 GGS 787
15 credits	15 credits