



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
- Modify Existing (check all that apply)
 - Title (SCHEV approval required except for minors, certificates)
 - Concentration** (Choose one): Add Delete Modify
 - 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. Graduate Certificate
- Other: _____

College/School: **Department:**
Submitted by: **Ext:** **Email:**

Effective Term: Fall **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

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

Courses offered via distance: (if applicable)

TOTAL CREDITS REQUIRED:

Existing	New/Modified
Geospatial Intelligence	
None	
None	
See Attached	See Attached

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
Graduate Certificate in Geospatial Intelligence
Fall 2015

This proposal is seeking to expand somewhat on the elective options, as well as substitute the non-GGS course in the degree with departmental offerings.

- 1) **Modify** INFS 519 required to instead be ONE of GGS 650, 664, or 692

Since this degree was created, the department has built up its skill (as well as regular instruction) of a number of classes that fit the reasons we used the INFS 519 course. Now that we have the relevant expertise, we seek to rely on our own capacity rather than outside instruction.

- 2) **Add** GGS 563, 579, 671, 675 and 787 to the list of elective options

These courses are all available options in the MS in Geoinformatics that we wish to be available elective options for the certificate.

- 3) **Remove** GGS 747 from the Elective list

GGS 747 has been delisted by the department in previous terms.

Approvals:

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

Current GI Certificate

Core: (15 credits)

GGG 553 (Geographic Information Systems)
GGG 680 (Earth Image Processing)
GGG 684 (Selected Topics in GI)
GGG 685 (Capstone Course in Geoinformatics)
INFS 519 (Program Design and Data Structures)

Elective Options (3 credits)

GGG 631 (Spatial Agent-based Models)
GGG 650 (Intro to GIS Algorithms)
GGG 658 (Terrain Mapping)
GGG 664 (Spatial Data Structures)

GGG 740 (Hyperspectral Imaging)
GGG 747 (Satellite Data Reception)
GGG 772 (Distributed GIS)

18 credits

GI Certificate

After Proposed Modifications

Core: (15 credits)

GGG 553 (Geographic Information Systems)
GGG 680 (Earth Image Processing)
GGG 684 (Selected Topics in GI)
GGG 685 (Capstone Course in Geoinformatics)
GGG 650, 664, OR 692 (Web GIS)

*One more course from among the following
Elective Options (3 credits)*

GGG 563 (Advanced GIS)

GGG 579 (Remote Sensing)

GGG 631

GGG 650

GGG 658

GGG 664

GGG 671 (Algorithms and GIS)

GGG 675 (Location Science)

GGG 692

GGG 740

GGG 772

GGG 787 (Scientific Data Mining)

18 credits