



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:	College of Science	Department:	Geography and Geoinformation Science
Submitted by:	Sven Fuhrmann	Ext:	3-2289
		Email:	sfuhrman@gmu.edu

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)

Changing degree core course requirements to "GGS 110 Introduction to Geoinformation Technologies or GGS 210 Introduction to Spatial Computing" will enhance lower-level entry points and course options to/in the BS Geography degree program. *please see modified justification on next page - GWC*

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

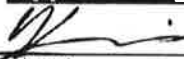
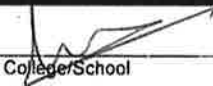
Courses offered via distance:
(if applicable)

TOTAL CREDITS REQUIRED:

Existing	New/Modified
BS in Geography	
	1) Modify Outside Requirements: Remove CS 112 Introduction to Computer Programming (4CR) and replace it with CDS 130 Computing for Scientists (3CR)
	2) Add GGS 400 (1 CR) Colloquium in Geoinformation Science to Core Courses for BS Geography

*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

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

Justification:

CDS 130 has become the standard Computing for Scientists course in the COS. The change from CS 112 (4CR) to CDS 130 (3CR) allows to implement a research oriented colloquium (GGS 400, 1 CR) into the BS Geography program. This integration aligns with the COS and Mason missions to introduce more research-oriented course options to our undergraduate students.

**Program Approval Form 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.

Program Modification

BS Geography

Summary of the Modification:

- 1) Modify Outside Requirements: Remove CS 112 Introduction to Computer Programming (4CR) and replace it with CDS 130 Computing for Scientists (3CR)
- 2) Add GGS 400 (1 CR) Colloquium in Geoinformation Science to Core Courses for BS Geography

Reason for the Modification:

- 1) CDS 130 has become the standard Computing for Scientists course in the COS
- 2) The change from CS 112 (4CD) to CDS 130 (3CR) allows to implement a research oriented colloquium (GGS 400, 1 CR) into the BS Geography program. This integration aligns with the COS and Mason missions to introduce more research-oriented course options to our undergraduate students.

Approvals:

- Approval from GGS Curriculum Committee on 10/16/2017
- Passed GGS Department Vote on 10/16/2017