



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
 M.A. M.S. M.Ed.
 Ph.D.
 Undergraduate Certificate*
 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)

Concentration in Earth Surface Processes
 GEOL 316 has not been offered for 5 years.
 CS 112 programming is not applicable to most computer programs currently used in geology
 GGS 311 is a program in widespread use in geology and also helps students get jobs in the Earth Sciences

	Existing	New/Modified
Program Title: (Required) <small>Title must identify subject matter. Do not include name of college/school/dept.</small>		
Concentration(s):		
Admissions Standards / Application Requirements: <small>(Required only if different from those listed in the University Catalog)</small>		
Degree Requirements: <small>Consult University Catalog for models, attach separate document if necessary using track changes for modifications</small>	Required classes GEOL 316 - Computers in Geology Credits: 3 or CS 112 - Introduction to Computer Programming Credits: 4	GGS 311 Introduction to Geographic Information Systems. 3 credits
Courses offered via distance: <small>(if applicable)</small>		
TOTAL CREDITS REQUIRED:		

***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

Program Title: BS Earth Science

Date of Departmental Approval: 11/12/14

Summary of the Modification:

Change computer requirements from a choice of several to one focused on Geographical Information Systems

Text before Modification (title, degree requirements, etc.):

Computer Science. one of the following:

- CDS 130 - Computing for Scientists Credits: 3
- GEOL 316 - Computers in Geology Credits: 3
- CS 112 - Introduction to Computer ProgrammingCredits: 4

IT 103 - Introduction to Computing Credits: 3

Text after Modification (title, degree requirements, etc.):

GGS 311 Introduction to Geographic Information Systems. 3 credits

Reason for the Modification:

The most important and relevant computer training for Geologists and Earth Scientists is in Geographical Information Systems (GIS). These needs are best met by GGS 311 rather than CDS 130, IT 103 and CS 112 which are more traditional programming courses. GEOL 316 has never been taught.
