



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

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 |
|--------------|---------------------------------|
| Geography | |
| None | Global and Environmental Change |
| None | |
| See Attached | See Attached |
| | |
| | 15 |

Approval Signatures

_____ 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 Concentration for Geography BA Fall 2017

The Geography BA current has no way to meet the 'additional program' requirement other than to complete an outside minor or major. We seek to address this concern by slowly adding concentrations as potential options for this degree, while leaving open the ability to complete a minor or 2nd major elsewhere on campus.

This first minor is a shortened version of our Global and Environmental Change degree, which we recently deactivated. We believe there is still interest in this curricula, and wish to offer a way for students to engage this material without a full degree-length program. We would submit the BA in Geography with the Global and Environmental change concentration for Green Leaf Status.

Requirements for the Concentration in Global and Environmental Change

To complete the concentration, students must complete 15 hours of credit, all coursework for the concentration must be unique from other BA requirements, with a minimum GPA of 2.00, consisting of:

Core courses:

1. GGS 303 Geography of Resource Conservation

AND

2. EVPP 336 Human Dimensions of the Environment OR EVPP 337 Environmental Policy Making in Developing Countries

Rationale: Required core courses are designed to provide the essential knowledge and background for careers centered on environmental change and larger global processes. These courses were chosen as core courses for their ability to provide a broad overview of the field while providing substantive content suited for continued study and career preparation in the field.

One methods course:

1. GGS 354 Data Analysis and Global Change Detection Techniques OR GGS 412 Air Photography Interpretation

Rationale: Required methods course is designed to provide the student with an introduction to some advanced techniques in the analysis of environmental and related changes.

Select two of the following elective courses:

- | | |
|---|---|
| 1. GGS 302 - Global Environmental Hazards | 7. GGS 322 - Issues in Global Change |
| 2. GGS 307 - Sustainable Development | 8. EVPP 336 - Human Dimensions of the Environment |
| 3. GGS 309 - Meteorology and Climate | 9. EVPP 337 - Environmental Policy Making in Developing Countries |
| 4. GGS 312 - Physical Climatology | 10. EVPP 350 - Freshwater Ecosystems |
| 5. GGS 314 - Severe and Extreme Weather | 11. EVPP 377 - Applied Ecology |
| 6. GGS 319 - Air Pollution | |

Rationale: Elective coursework is designed for the student to tailor remaining credits to their interests in environmental change. Advance elective coursework is to provide the fundamental knowledge to students in preparation careers in the field.

Approvals:

- Email approval from GGS Curriculum Committee on March 10, 2016
- Passed GGS Department Vote on March 16, 2016.