Program Change Request

Date Submitted: 09/04/20 3:34 pm

Viewing: **SC-MS-GECA : Geographic and Cartographic Sciences, MS**

Last approved: 03/08/18 12:39 pm

Last edit: 09/11/20 8:41 am

Changes proposed by: tleslie

Catalog Pages
Using this Program
[Geographic and Cartographic Sciences, MS](#)

Are you completing this form on someone else's behalf?

Yes

Requestor:

In Workflow

1. **GGS Chair**
2. **SC Curriculum Committee**
3. SC Associate Dean
4. SC CAT Editor
5. Assoc Provost-Graduate
6. Registrar-Programs: Duration
7. Registrar-Programs

Approval Path

1. 09/04/20 1:46 pm Nathan Burtch (nburtch): Rollback to Initiator
2. 09/10/20 1:57 pm Nathan Burtch (nburtch): Approved for GGS Chair

History

1. Nov 8, 2017 by clmig-jwehrheim
2. Mar 8, 2018 by pchampan
3. Mar 8, 2018 by pchampan

Name	Extension	Email
Matt Rice	3-9223	mrice4@gmu.edu

Effective Catalog: 2021-2022

Program Level:

Graduate

Program Type:	Master's
Degree Type:	Master of Science
Title:	Geographic and Cartographic Sciences, MS
Banner Title:	**MS Geograph & Cartographic Sci**
Registrar/OAPI Use Only – SCHEV Status	Approved
Registrar's Office Use Only – Program Start Term	
Registrar/OAPI Use Only – SCHEV Letter	
Concentration(s):	
Registrar/IRR Use Only – Concentration CIP Code	
College/School:	College of Science
Department / Academic Unit:	Geography & Geoinformation Science
Jointly Owned Program?	No

Academic Themes:
  Science & Math

Justification

Add Cartography course requirement to degree program. Cartography instruction in other courses has diminished to the point that a separate offering is appropriate.

Add in Systematic and Regional course requirement to provide more structure to the degree for non-thesis students.

Modify elective credits for both tracks to maintain total credit requirement at previous level.

Total Credits Required:	Total credits: 30 or 37

Registrar's Office Use Only - Program Code:

SC-MS-GECA

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Admissions

University-wide admissions policies can be found in <u>Graduate Admissions Policies</u>.

To apply for this program, please complete the <u>George Mason University Admissions Application</u>.

Eligibility and Application Requirements

Applicants for this master's should have a bachelor's degree in geography, cartography, or a closely related field. Applicants without an undergraduate degree in geography may be required to take one course in each of the following: physical geography, human geography, and cartography. All applicants must have a course in statistics. The program also requires GRE test scores, three letters of recommendation, transcripts of all college coursework, and a statement of interest in the degree. The GRE requirement will be waived if the student holds a master's degree from a regionally-accredited U.S. institution. TOEFL scores are required for all foreign applicants. Credit from courses taken at other departments and other universities may be applied to the program with prior approval.

Program-Specific Policies:

Policies

For policies governing all graduate programs, see <u>AP.6 Graduate Policies</u>

Secondary Program Options

Students enrolled in this master's program have the option of adding a <u>secondary graduate certificate program</u>. Depending upon the secondary program chosen, many courses may be applicable to both the certificate and the master's. Before adding a secondary program, students are advised to carefully review the <u>Requirements for Graduate Certificates</u> and the <u>Requirements for Master's Degrees</u> in <u>AP.6 Graduate Policies</u>. Faculty advisors should be contacted for further guidance and for graduate certificate program suggestions.

Degree Requirements:

Students should refer to the <u>Admissions & Policies</u> tab for specific policies related to this program.

Students must complete either 30 graduate credits (with a thesis) or 37 graduate credits (without a thesis). If the non-thesis option is selected, students are required to pass a comprehensive exam.

Core Courses

GGS 551	**Cartographic Design**	**3**
GGS 553	Geographic Information Systems	3

GGS 560	Spatial Quantitative Methods	3
GGS 579	Remote Sensing	3
GGS 689	Seminar in Geographic Thought and Methodology	3
Total Credits		15

Thesis or Non-thesis Options

Thesis Option

Students selecting the thesis option must complete:

Three credits of		3
GGS 799	Thesis	
~~Select 15 credits of electives in 500 to 799-level GGS courses. 1~~		~~15~~
Select 12 credits of electives in 500 to 798-level GGS courses. 1		**12**
Total Credits		15

1Electives should be selected in consultation with an advisor. With departmental approval, up to 9 credits from closely related disciplines may be applied to the degree.

Non-thesis Option

Students selecting the non-thesis option must complete:

Choose One Systematic Course		**3**
GGS 505	**Transportation Geography**	
GGS 507	**Geographic Approaches for Sustainable Development**	
GGS 540	**Health Geography**	
GGS 544	**Military Geography**	
GGS 581	**World Food and Population**	
GGS 615	**Economic Geography**	
GGS 656	**The Hydrosphere**	
GGS 657	**The Lithosphere**	
GGS 670	**Introduction to Atmosphere and Weather**	
GGS 704	**Spatial Demography**	
Choose One Regional Course		**3**
GGS 516	**Geography of Latin America**	
GGS 517	**Geography of China**	
GGS 518	**Geography of North Africa and Southwest Asia**	
GGS 526	**Geography of Eastern Europe and Russia**	
GGS 533	**Issues in Regional Geography**	
GGS 700	Comprehensive Exam	1
~~Select 24 credits of electives in 500 to 799-level GGS courses. 1~~		~~24~~
Select an additional 15 credits of electives in 500 to 798-level GGS courses. 1		**15**
Total Credits		22

1Electives should be selected in consultation with an advisor. With departmental approval, up to 9 credits from closely related disciplines may be applied to the degree.

**Retroactive
Requirements
Updates:**

Plan of Study:

Additional Program Information

This information is required by the Office of Accreditation and Program Integrity.

**Courses offered via
distance (if
applicable):**

**What is the
primary delivery
format for the
program?**   **Face-to-Face Only**

Does any portion of this program occur off-campus?

No

Are you working with a vendor / other collaborators to offer your program?

No

**Related
Departments**

**Could this program prepare students for any type of professional licensure, in
Virginia or elsewhere?**

No

Are you adding or removing a licensure component?

No

Additional SCHEV & SACSCOC Information

Are you changing the total number of credits required for this program?

No

Are you changing the delivery format in any way (e.g adding an online option)?

No

Are you adding/removing a licensure option which was approved by SCHEV?

No

Will any portion of this program be offered at an off-campus location?

No

Are you adding significant new content areas to the program?

No

Will this program change affect any specialized accreditation?

No

Green Leaf Program Designation

Is this a Green Leaf program?   No

Does this program cover material which crosses into another department?

No

Additional Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

   Nathan Burtch (nburtch) (09/04/20 1:46 pm): Rollback: Extra changes are being proposed.

Additional Comments

Is this course required of all students in this degree program?

%wi_required.eschtml%

Key: 211