

Program Change Request

Date Submitted: 11/12/25 1:36 pm

Viewing: **GIS : Geographic Information Systems Minor**

Last approved: 05/07/24 2:28 pm

Last edit: 11/12/25 1:36 pm

Changes proposed by: nburtch

Catalog Pages
Using this Program

[Geographic Information Systems Minor](#)

In Workflow

1. GGS Chair
2. SC Curriculum Committee
3. SC Assistant Dean
4. Assoc Provost- Undergraduate
5. Registrar-Programs

Approval Path

1. 11/13/25 2:03 pm
Nathan Burtch
(nburtch): Approved
for GGS Chair

History

1. Nov 9, 2017 by
clmig-jwehrheim
2. Jan 11, 2018 by
rzachari
3. Mar 1, 2018 by
Jennifer Bazaz
Gettys (jbazaz)
4. Jan 30, 2020 by
Nathan Burtch

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

No

Effective Catalog: 2026-2027

Program Level: Undergraduate

Program Type: Minor

Title: Geographic Information Systems Minor

(nburtch)

5. May 6, 2022 by

Timothy Leslie

(tleslie)

6. May 7, 2024 by Tory

Sarro (vsarro)

Banner Title: Geographic Info Systems Minor

**Registrar's Office
Use Only –
Program Start Term**

**Registrar/OAPI Use
Only – SACSCOC
Status**

College/School: College of Science

**Department /
Academic Unit:** Geography & Geoinformation Science

**Jointly Owned
Program?** No

**Is there an
embedded degree
as part of a
program?**

Justification What: Adding footnote that GGS 201T is acceptable to substitute for GGS 110

Why: In discussing with our NOVA partners as part of Advance, their students are likely to skip

the course that transfers as GGS 110, going to take their sequence of GIS 200 and 201. These currently transfer as GGS L311 and GGS L470, respectively. We want to provide flexibility for transfer students and are proposing a new GGS 201T equivalency for their GIS 201, as we do not have a comparable intermediate GIS course for direct transfer. This allows flexibility by maintaining the true transfer equivalency for GGS 110 for students that take the NOVA version, while also allowing a more intermediate-level course to sub for a more basic 100-level course, should the student choose so.

Catalog Published Information

Total Credits Required:

Total credits: 18

Registrar's Office Use Only - Program Code:

GIS

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Program-Specific Policies:

Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see [AP.5.3.4 Minors](#).

Degree

Requirements:

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this program.

All coursework must be completed with a minimum GPA of 2.00.

Required Courses

GGS 110	Introduction to Geoinformation Technologies ¹	3
GGS 300	Quantitative Methods for Geographical Analysis	3

<u>GGG 311</u>	Geographic Information Systems	3
<u>GGG 366</u>	Spatial Computing	3
<u>GGG 463</u>	RS: GIS Analysis and Application	3
Total Credits		15

¹

Credit for the transfer course GGS 201T can be substituted for the GGS 110 requirement

Electives

Select 3 credits from the following:		3
<u>GGG 308</u>	Field Mapping Techniques	
<u>GGG 310</u>	Cartographic Design	
<u>GGG 354</u>	Data Analysis and Global Change Detection Techniques	
<u>GGG 379</u>	Remote Sensing	
<u>GGG 411</u>	Geovisualization	
<u>GGG 416</u>	Satellite Image Analysis	
<u>GGG 422</u>	Drone Remote Sensing	
<u>GGG 426</u>	Physical Fundamentals of Remote Sensing	
<u>GGG 429</u>	Remote Sensing of the Environment and Earth System	
<u>GGG 462</u>	Web-based Geographic Information Systems	
<u>GGG 470</u>	Special Topics in Geographic Techniques	
Total Credits		3

Retroactive Requirements

Updates:

Plan of Study:

Honors Information:

Accelerated Description/Dual Degree Description: INTO-Mason Requirements:

College Requirements & Policies:

Department / Academic Unit Requirements & Policies: Program Outcomes

Courses offered via Indicate whether

What is the
primary delivery
format for the
program?

Additional SCHE

Is the content of the
program...
Is this now program
...
Is this now program

Is this change a simple
retitle of an existing
program, with no
other changes, to any
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Have you reached out to the Libraries to determine whether there are adequate resources to support your program? If not, please email Meg Meiman, Associate University Librarian for Learning, Research, and Engagement at mmeiman2@gmu.edu.

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf
program? No

Sustainability focused or

List sustainability-

List sustainability-

Does this program cover material which crosses into another department?

No

Additional
Attachments

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eshtml%

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Key: 215