

Program Change Request

Date Submitted: 02/01/26 10:12 pm

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

Last approved: 01/21/26 1:54 pm

Last edit: 02/01/26 10:12 pm

Changes proposed by: nburtch

Catalog Pages

Using this Program

[Geographic Information Systems Minor](#)

Anticipated close date: 02/01/26 10:12 pm

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



In Workflow

1. [GGS Chair](#)
2. [SC Curriculum Committee](#)
3. SC Assistant Dean
4. Assoc Provost-Undergraduate
5. Registrar-Programs

Approval Path

1. 02/05/26 10:50 am
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
(nburtch)
5. May 6, 2022 by Timothy Leslie
(tleslie)
6. May 7, 2024 by Tory Sarro (vsarro)
7. Jan 21, 2026 by Nathan Burtch
(nburtch)

Banner Title: Geographic Info Systems Minor

Registrar's Office

Use Only –

Program Start Term

Registrar/OAPI Use

Only – SACSCOC

Status

Registrar/IRR Use

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 GGS 421

Why: New remote sensing course, applicable technique elective for a GIS minor

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
GGS 311	Geographic Information Systems	3
GGS 366	Spatial Computing	3
GGS 463	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
GGS 308	Field Mapping Techniques
GGS 310	Cartographic Design
GGS 354	Data Analysis and Global Change Detection Techniques
GGS 379	Remote Sensing
GGS 411	Geovisualization
GGS 416	Satellite Image Analysis
GGS 421	<u>Remote Sensing of Natural Hazards</u>
GGS 422	Drone Remote Sensing
GGS 426	Physical Fundamentals of Remote Sensing
GGS 429	Remote Sensing of the Environment and Earth System
GGS 462	Web-based Geographic Information Systems
GGS 470	Special Topics in Geographic Techniques

Total Credits	3
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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**

Program Outcomes

Comments offered via Twitter and email

What is the primary delivery format for the program?

Additional SCHE

Is this change a simple retitling of an existing program, with no other changes, to any existing program

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 No
program?

Comments on this question

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.eschtml%

Key: 215