

# Program Change Request

Date Submitted: 09/02/21 6:35 pm

Viewing: **GIS : Geographic Information Systems**

## Minor

Last approved: 01/30/20 4:48 pm

Last edit: 02/25/22 12:50 pm

Changes proposed by: tleslie

### Catalog Pages

#### Using this Program

[Geographic Information Systems Minor](#)

### Anticipator

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

No

**Effective Catalog:** 2022-2023

**Program Level:** Undergraduate

**Program Type:** Minor

#### Title:

Geographic Information Systems Minor

#### 5. Is this badge co-sponsor

What is the organization

Education

Professional

Skills Tag

Badge Attributes

### In Workflow

1. Registrar-Programs:Workflow Review
2. GGS Chair
3. SC Curriculum Committee
4. SC Associate Dean
5. SC CAT Editor
6. Assoc Provost-Undergraduate
7. Registrar-Programs

### Approval Path

1. 09/03/21 10:30 am  
Tory Sarro (vsarro): Approved for Registrar-Programs:Workflow Review
2. 03/03/22 12:44 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

(nburtch)

Master Level:  
Time Commitment:  
Cost:  
Industry Standard:  
Recommendation:

**Issuance information and Pricing**

Outlines: [See Outlines/Links page under the title for additional information/Forms](#)  
Estimated Number of Badges Expected to be Issued:

**Banner Title:** **Geographic Information Systems**  
~~GIS Minor~~

**Is this a retitling of an existing**

Existing Program  
Registrar/OAPI Use

Registrar's Office  
Use Only –  
Program Start Term

Registrar/OAPI Use

Registrar/OAPI Use  
Only – SACSCOC  
Status

Concentration(s)

INTC Major(s)  
Registrar/IRR Use  
Only –

**College/School:** College of Science

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

**Jointly Owned Program?** No

Participating  
Participating

**Justification**

Add new course 'Spatial Computing' to required course list, as it was previously offered at the 200-level and listed as an elective. Additionally trim up electives list to remove deleted courses and focus on those offered more strictly within the GIS field. Adjust credit math to account for total potential number of 4-credit courses.

**Catalog Published Information**

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**Total Credits Required:** Total credits: **18**  
~~18-20~~

**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

<a href="#">GGS 110</a>	Introduction to Geoinformation Technologies	3
<a href="#">GGS 300</a>	Quantitative Methods for Geographical Analysis	3
<a href="#">GGS 311</a>	Geographic Information Systems	3
<a href="#">GGS 366</a>	<b>Spatial Computing</b>	<b>3</b>
<a href="#">GGS 463</a>	RS: GIS Analysis and Application	3
Total Credits		15

## Electives

Select 6-8 credits from the following: **1** **6-8**

[GGS 210](#) Course GGS 210 Not Found

Select 3 credits from the following: **3**

<a href="#">GGS 308</a>	Field Mapping Techniques
<a href="#">GGS 310</a>	Cartographic Design
<a href="#">GGS 354</a>	Data Analysis and Global Change Detection Techniques
<a href="#">GGS 379</a>	Remote Sensing
<a href="#">GGS 410</a>	<span style="border: 1px solid red; padding: 2px;">Course GGS 410 Not Found</span>
<a href="#">GGS 411</a>	Geovisualization
<a href="#">GGS 412</a>	Air Photography Interpretation
<a href="#">GGS 416</a>	Satellite Image Analysis

- 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
- ~~GGS 480 GGS Internship~~
- ~~CS 112 Introduction to Computer Programming~~
- ~~CDS 130 Computing for Scientists~~

Total Credits

3

~~1 With departmental permission, one course with significant geographic information systems (GIS) content may be used as an elective.~~

**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**

### **Additional Program Information**

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

**Courses offered via  
distance /if**

**Indicate whether  
students are able**

**What is the  
primary delivery  
format for the  
program?**

**Does any portion of this program occur off-campus?**

Off-campus details:

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

## Additional SCHEV & SACSCOC Information

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Is the content of the new program closely related to that of an existing approved program at the same instructional level (i.e., baccalaureate, master's, doctoral)?

Which existing approved program(s)?

Is this new program considered to be "advancing the degree level of a currently approved program" (i.e. existing content is at lower degree level, new content is at higher degree level)?

Which existing approved program(s)?

Is this new program considered to be "lowering the degree level of a currently approved program" (i.e. existing content is at higher degree level, new content is at lower degree level)?

Which existing approved program(s)?

Is this a re-opening of a program that was closed to admission within the last five years?

Date of Program Closure

What are the methods of delivery for the program?

Does this program include a course/credit-based competency-based education (CBE) component?

Is this change a simple retitling of an existing program, with no other changes, to any existing program content, curriculum requirements, etc?

Does this change represent a repackaging of content in an existing approved degree/certificate program at the same instructional level (i.e., baccalaureate, master's, or doctoral)?

Which existing approved program(s)?

Percentage of total credits containing new course content. ("New course content" is defined by SACSCOC as content that is not currently included in an existing approved degree/certificate program at the same instructional level. Do not exclude gen ed credits in calculations for undergraduate programs.)

Does this change include the addition of a distance education or face-to-face method of delivery for this program?

## OAPI Use Only – Determination of SACSCOC Impact

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Comments or Notes

## Green Leaf Program Designation

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Is this a Green Leaf program?  No

Green Leaf

*Sustainability-focused academic programs require at least one green leaf course. Either that course is itself sustainability-focused or else the program requires a set of sustainability-related courses with aggregated*

Relationship to

Relationship to

List sustainability-focused courses currently required

in the degree

Sustainability-related academic programs either require at least one sustainability-related

List sustainability-related courses currently required

in the degree

Does this program cover material which crosses into another department?

No

Impacted

Additional Attachments

- [UGC-COS-Mod Program GIS minor.pdf](#)
- [UGC-COS-Program Mod-minor gis\\_001.pdf](#)
- [GIS-minor-remote-sensing-Mod-no-sign-1.pdf](#)

SCHEV Proposal Executive Summary

**Reviewer  
Comments**

**Additional  
Comments**

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

%wi\_required.eshtml%

**Attached  
Document**

Key: 215