Program Change Request

Date Submitted: 12/02/19 6:56 am

Viewing: **SC-BS-GEOG : Geography, BS**

Last approved: 02/03/19 5:07 pm

Last edit: 12/06/19 11:42 am

Changes proposed by: nburtch

Catalog Pages Using this Program

Geography, BS

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

No

Effective Catalog: 2020-2021

Program Level: Undergraduate

Program Type: Bachelor's

Degree Type: Bachelor of Science

Title: Geography, BS

Banner Title: Geography, BS

Registrar/OAPI Use Only – SCHEV Status Approved

Registrar's Office Use Only – Program Start Term

Registrar/OAPI Use Only – SCHEV Letter

Concentration(s):

Approval Path

1. 12/02/19 6:58 am Nathan Burtch (nburtch): Approved for GGS Chair

History

1. Nov 1, 2017 by clmig-jwehrheim
2. Jan 11, 2018 by Rebekah Zacharias (rzachari)
3. Feb 26, 2018 by Jennifer Bazaz Gettys (jbazaz)

Registrar/IRR Use Only – Concentration CIP Code	
College/School:	College of Science
Department / Academic Unit:	Geography & Geoinformation Science
Jointly Owned Program?	No
Justification	Adding new advanced techniques courses to the degree, and new course offerings in systematic and regional geography. GGS 400 was listed in two different places, and this proposal removes one instance (GGS 400 was listed as both a Core and Outside requirement; it is no longer listed as an Outside course)

Total Credits Required:	Total credits: minimum 120
Registrar's Office Use Only - Program Code:	
	SC-BS-GEOG
Registrar/IRR Use Only – Program CIP Code	
Admission Requirements:	

Admissions

University-wide admissions policies can be found in the Undergraduate Admissions Policies section of this catalog.

To apply for this program, please complete the George Mason University Admissions Application.

Program-Specific Policies:

Policies

Students must fulfill all Requirements for Bachelor's Degrees including the Mason Core.

GGS 415 Seminar in Geography fulfills the writing intensive requirement.

For policies governing all undergraduate programs, see AP.5 Undergraduate Policies.

Degree Requirements:

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

Geography

Candidates for the Geography, BS degree must complete the following Core, Breadth and Experience, and Geography Elective courses with a minimum GPA of 2.00:

Core Courses

Course List

Code	Title	Credits
GGS 102	Physical Geography (Mason Core)	3-4
or GGS 121	Dynamic Atmosphere and Hydrosphere (Mason Core)	
GGS 103	Human Geography (Mason Core)	3
GGS 110	Introduction to Geoinformation Technologies	3
or GGS 210	Introduction to Spatial Computing	
GGS 300	Quantitative Methods for Geographical Analysis	3
GGS 310	Introduction to Digital Cartography	3
GGS 311	Introduction to Geographic Information Systems	3
GGS 379	Remote Sensing	3
GGS 400	Colloquium in Geoinformation Science	1
GGS 415	Seminar in Geography 1	3
Total Credits		25-26

1   Fulfills the writing intensive requirement.

Breadth and Experience Courses

Course List

Code	Title	Credits
Advanced Technique Courses		
Select three from the following:		9
GGS 308	Field Mapping Techniques	
GGS 354	Data Analysis and Global Change Detection Techniques	
GGS 410	Introduction to Hyperspectral Imaging	
GGS 411	Advanced Digital Cartography	
GGS 412	Air Photography Interpretation	
GGS 416	Satellite Image Analysis	

Code	Title	Credits
GGS 422	**Drone Remote Sensing**	
GGS 462	Web Mapping	
GGS 463	RS: Applied Geographic Information Systems	
GGS 470	Special Topics in Geographic Techniques	

Systematic Courses

Select one from the following: 3

Code	Title	Credits
GGS 301	Political Geography	
GGS 302	Global Environmental Hazards	
GGS 303	Geography of Resource Conservation (Mason Core)	
GGS 304	Population Geography (Mason Core)	
GGS 305	Economic Geography	
GGS 306	Urban Geography	
GGS 307	Geographic Approaches for Sustainable Development	
GGS 309	Meteorology and Climate	
GGS 312	Physical Climatology	
GGS 314	Severe and Extreme Weather	
GGS 319	Air Pollution	
GGS 321	Biogeography	
GGS 322	Issues in Global Change	
GGS 340	**Health Geography**	
GGS 344	**Military Geography**	
GGS 357	Urban Planning	
GGS 398	Selected Topics in Global Change	
GGS 399	Select Topics in GGS	
GGS 456	**Introduction to Atmospheric Radiation**	

Regional Courses

Select one from the following: 3

Code	Title	Credits
GGS 315	Geography of the United States	
GGS 316	Geography of Latin America	
GGS 317	Geography of China	
GGS 320	Geography of Europe	
GGS 325	Geography of North Africa and the Middle East	

Code	Title	Credits
GGS 326	**Geography of Eastern Europe and Russia**	
GGS 330	Geography of Eastern Europe and Russia	
GGS 333	Issues in Regional Geography	
GGS 380	Geography of Virginia	
Total Credits		15

Geography Electives

<div align="center">Course List</div>

Code	Title	Credits
Select 3 credits of undergraduate-level GGS courses		3
Select 6 credits of 300 or 400-level GGS courses		6
Total Credits		9

Outside Requirements

Candidates for the Geography, BS degree must complete the following courses from outside of Geography and Geoinformation Science:

<div align="center">Course List</div>

Code	Title	Credits
~~GGS 400~~	~~Colloquium in Geoinformation Science~~	~~1~~
CDS 130	Computing for Scientists (Mason Core)	3
MATH 113	Analytic Geometry and Calculus I (Mason Core)	4
MATH 114	Analytic Geometry and Calculus II	3-4
or IT 207	Applied IT Programming	
or STAT 250	Introductory Statistics I (Mason Core)	
Total Credits		10-11

Retroactive Requirements Updates:

Plan of Study:

Honors Information:

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?

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

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

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

Are you adding significant new content areas to the program?

Will this program change affect any specialized accreditation?

Green Leaf Program Designation

Is this a Green Leaf program? No

Does this program cover material which crosses into another department?

No

Additional Attachments

[UGC-COS-Mod Program Geograpyy Bs.pdf](#)

[BS-Geography-Remote-Sensing.pdf](#)

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eschtml%

Key: 149

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