

Program Change Request

Date Submitted: 02/23/24 4:03 pm

Viewing: **SC-CERG-CSS : Computational Social Science Graduate Certificate**

Last approved: 02/23/21 4:43 pm

Last edit: 03/01/24 9:31 am

Changes proposed by: jbazaz

Catalog Pages
Using this Program
[Computational Social Science Graduate Certificate](#)

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

No

Effective Catalog: 2024-2025

Program Level: Graduate

Program Type: Certificate

Degree Type: Graduate Certificate

Title:
Computational Social Science Graduate Certificate

Banner Title: [Computational Social Sci GC](#)

Registrar/OAPI Use Only – SCHEV Status
Approved

Registrar’s Office Use Only – Program Start Term

Registrar/OAPI Use Only – SCHEV Letter

Registrar/OAPI Use Only – SACSCOC Status

In Workflow

1. CDS Chair

2. SC Curriculum Committee

3. SC Assistant Dean

4. Assoc Provost- Graduate

5. Registrar-Programs

Approval Path

1. 02/26/24 1:53 pm
Jason Kinser
(jkinser): Approved for CDS Chair

History

1. Oct 23, 2017 by clmig-jwehrheim

2. Feb 14, 2018 by rzachari

3. Feb 23, 2021 by jriemen

Concentration(s):

**Registrar/IRR Use
Only –
Concentration CIP
Code**

College/School: College of Science

**Department /
Academic Unit:** Computational & Data Sciences

**Jointly Owned
Program?** No

Justification

What: Referring applicants to central admissions language and removing extraneous wording.

Why: To make the program more adaptable to changes in university policies.

Catalog Published Information

**Total Credits
Required:** Total credits: 15

Registrar's Office Use Only - Program Code:
SC-CERG-CSS

**Registrar/IRR Use
Only – Program CIP
Code**

**Admission
Requirements:**

Admissions

University-wide admissions policies can be found in the [Graduate Admissions Policies](#) section of this catalog. [International students and students having earned international degrees should also refer to Admission of International Students for additional requirements.](#)

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

Applicants should have an undergraduate degree from an institution of higher education accredited by a Mason-recognized U.S. institutional accrediting agency or international equivalent with a GPA of at least 3.00.

Application Requirements

To apply for this certificate, ~~apply~~, prospective students should submit the ~~forward a completed George Mason University Admissions Application and its required supplemental documentation.~~ ~~Application, one copy of official~~

~~transcripts from each college and graduate institution attended, and a current résumé.~~

The GRE is not required for admission into this certificate.

~~TOEFL scores are required of all international applicants. International applicants should see information regarding the admission of international students. Students intending to obtain the CSS certificate must apply to the CSS certificate program before beginning any CSS coursework intended to satisfy requirements. They must also have their coursework plan approved by the director.~~

Program-Specific Policies:

Policies

For policies governing all graduate certificates, ~~degrees~~, see [AP.6 Graduate Policies](#).

Students intending to obtain the CSS certificate must apply to the certificate before beginning any coursework intended to satisfy its requirements.

Coursework plans must be approved by the director.

Transferring Previous Graduate Credit into this Certificate

Previously earned and relevant graduate credits may be eligible for transfer into this certificate; details can be found in the Credit by Exam or Transfer section of this catalog.

Degree Requirements:

This certificate may be pursued on a full-or part-time basis.

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

Core Courses

| | | |
|-------------------------|--|---|
| CSS 600 | Introduction to Computational Social Science | 3 |
| CSS 610 | Agent-based Modeling and Simulation | 3 |
| Total Credits | | 6 |

Electives

Nine credits of electives, selected from:

| | |
|-------------------------|--|
| CSS 605 | Object-Oriented Modeling in Social Science |
| CSS 620 | Origins of Social Complexity |
| CSS 692 | Social Network Analysis |

Other graduate courses in the fields of computational social science, social science, computer science, statistics, and other quantitative methods such as data visualization, information technology, and geographic information science. 1

Total Credits

1

These courses should be selected in conjunction with, and approved by, the student's advisor. Students may include a maximum of 3 credits of programming courses to meet the elective requirements. Procedural, object-oriented

languages, or other approved programming approaches may be used with permission of the director. Some courses on computational techniques, modeling, or statistics, such as visualization, graphics, and statistical and database packages may also be used to meet the requirements with prior approval of the director.

**Retroactive
Requirements
Updates:**

Plan of Study:

Program Outcomes

Additional Program Information

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

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

**Indicate whether
students are able
to pursue on a:** Both Full and Part-time basis

**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

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

No

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)?

No

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.)

0%-24%

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

No

Does this change include the addition of a course/credit-based competency-based education delivery option?

No

Will any additional equipment/facilities be needed?

No

Will any additional faculty be required?

No

Will any additional financial resources be needed?

No

Additional library/learning resources needed?

No

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program? No

Does this program cover material which crosses into another department?

No

**Additional
Attachments**

**Reviewer
Comments**

**Additional
Comments**

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

%wi_required.eshtml%

Key: 22