

Program Change Request

New Program Proposal

Date Submitted: 02/08/22 2:16 pm

Viewing: : **Science and Technology Policy Minor**

Last edit: 02/08/22 2:16 pm

Changes proposed by: jbazaz

No Longer 2022-2023
 Accepting Students
 Anticipated closure date (i.e., calendar date students are
 Rationale for

In Workflow

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

Approval Path

1. 02/08/22 2:17 pm
 Jennifer Bazaz
 Gettys (jbazaz):
 Approved for SC
 Program Chair

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

Yes

Requestor:

Name	Extension	Email
Jessica Rosenberg	9551	jrosenb

Effective Catalog: 2022-2023

Program Level: Undergraduate

Program Type: Minor

Degree Type:

Title: Science and Technology Policy Minor

Banner Title: Science and Tech Policy Minor

Is this a retitling of an existing program? No

Existing Program

Registrar/OAPI Use Only – SCHEV

Registrar’s Office Use Only – Program Start Term

Registrar/OAPI Use Only – SCHEV

Registrar/OAPI Use Only – SACSCOC Status

Concentration(s)
 INTO Major(s)
 Registrar/IRR Use
 Only –
 Concentration CIP

College/School: College of Science

**Department /
 Academic Unit:** College of Science

**Jointly Owned
 Program?** No

Participating

Participating

Justification What: Creating a new minor.

Why: Our proposed undergraduate minor will train more versatile scientists by educating them on the interplay between science and policy, broadening their perspectives and providing a pathway for those who wish to pursue policy-related careers. Our minor aligns with the Harvard Belfer Center’s recommendation to increase the congressional workforce capacity in science and technology by creating pathways for STEM undergraduates to work as interns on Capitol Hill (Miesen et al, 2019). Similarly, with projected workforce declines due to an aging federal workforce (Vinik, 2017), agencies have opened undergraduate internships and job opportunities via the Pathways Programs (Berry, 2012), including those that recruit STEM students. Due to Mason’s proximity to Washington, D.C., the university is optimally positioned to implement an undergraduate minor in science policy and become a national leader in preparing students for these careers. No comparable undergraduate minors in the D.C. metropolitan area exist, increasing the attractiveness of the university’s curricula to prospective students. The closest competitor institutions include University of Virginia and Carnegie Mellon University.

Berry, J. (2012, July 16). Office of Personnel Management launches “Pathways Programs.” Obama White House Archives.

<https://obamawhitehouse.archives.gov/blog/2012/07/16/office-personnel-management-launches-pathways-programs>

Miesen, M., Campbell, M., Kuang, C., Manley, L., Roseman, E., & Carter, A. (2019). Building a 21st century Congress: Improving Congress’s science and technology expertise. Technology and Public Purpose Project, Belfer Center for Science and International Affairs, Harvard Kennedy School. <https://www.belfercenter.org/sites/default/files/2019-09/ST/Building21stCenturyCongress.pdf>

Vinik, D. (2017, September 27). America’s government is getting old. POLITICO.

<https://www.politico.com/agenda/story/2017/09/27/aging-government-workforce-analysis-000525/>

Catalog Published Information

Total Credits Required: Total credits: 15

Registrar's Office Use Only - Program Code:

Registrar/IRR Use Only – Program CIP Code

Admission Requirements:

Policies

Eight credits of coursework must be unique to the minor.

A minimum GPA of 2.00 is required for all coursework applied to the minor.

For policies governing all minors, see [AP.5.3.4 Minors](#).

Program-Specific Policies:

Degree Requirements:

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

Pre-Internship Coursework

COS 300	Professional Preparation for STEM Disciplines	3
COS 315	Science Policy Internship Preparation	1
EVPP 429	Environmental Science Communication	3
Choose any 3 credit GOVT course		3
Choose any 1 credit seminar offered by the College of Science, the College of Engineering and Computing, or the Schar School of Policy and Government. Suggestions include, but are not limited to:		1
BIOL 302	Alternative Careers in Biology	
CEIE 409	Professional Practice and Management in Engineering (Mason Core)	
CDS 151	Data Ethics in an Information Society (Mason Core)	
CS 105	Computer Ethics and Society (Mason Core)	
GGG 400	Colloquium in Geoinformation Science	
Total Credits		11

Internship

Students will explore internship sites during their enrollment in [COS 300](#). Once a site is identified, students will work with their minor advisor to arrange the internship. A final paper is expected at the internship's conclusion.

GOVT 480	Internship	3
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Post-Internship Coursework

Students will expand upon their internship's final paper during their enrollment in [COS 320](#).

[COS 320](#)

Science Policy in Practice

1

**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?

Please explain:

Related Departments

Could this program prepare students for any type of professional licensure, in Virginia or elsewhere?

Additional SCHEV & SACSCOC Information

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 the 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 the 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 delivery option?

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

Does this change represent a repackaging of content in an existing approved degree/certificate program at 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?

What is the new method of delivery?

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

Will any additional equipment/facilities be needed?

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program?

Green Leaf Designation

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 substance equivalent to a sustainability focused course.

Relationship to Existing Courses

Relationship to Existing Programs

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?

Yes

Impacted Departments

Department
College of Engineering and Computing
Schar School of Policy & Government

Additional Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

We are open to adding other course suggestions for the 1 credit seminar, please feel free to email them to jbazaz@gmu.edu.

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

%wi_required.eshtml%

Attached Document

[%attach_document.eshtml%](#)