

Program Change Request

Date Submitted: 10/07/25 9:42 am

Viewing: **CLRA : Climate Resilience and Adaptation Minor**

Last approved: 05/02/25 3:32 pm

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Changes proposed by: jbazaz

Catalog Pages
Using this Program

[Climate Resilience and Adaptation Minor \(ATMS\).](#)

[Climate Resilience and Adaptation Minor \(ESP\).](#)

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

No

Effective Catalog: 2026-2027

Program Level: Undergraduate

Program Type: Minor

Title: Climate Resilience and Adaptation Minor

Banner Title: Clim Resilience Adaptat Minor

Registrar's Office
Use Only –
Program Start Term

In Workflow

1. AOES -Curriculum Committee
2. AOES Chair
3. ESP UG Committee
4. ESP Chair
5. SC Curriculum Committee
6. SC Assistant Dean
7. Assoc Provost- Undergraduate
8. Registrar-Programs

Approval Path

1. 10/30/25 2:44 pm
Barry Klinger
(bklinger):
Approved for AOES -
Curriculum
Committee
2. 11/05/25 4:26 pm
Mark Uhen
(muhen): Approved
for AOES Chair
3. 11/13/25 11:11 am
Younsung Kim

**Registrar/OAPI Use
Only – SACSCOC
Status**

College/School: College of Science

**Department /
Academic Unit:** Atmospheric, Oceanic, & Earth Sciences

**Jointly Owned
Program?** Yes

**Is there an
embedded degree
as part of a
program?**

**Participating
Colleges**

	College
1	College of Science

**Participating
Departments**

	Department
1	Environmental Science & Policy

Justification

What: Replacing EVPP 378 with EVPP 425.

Why: The course has been renumbered for the Mason Core Apex designation.

(ykih): Approved for
ESP UG Committee

4. 11/13/25 12:50 pm

Gad Perry

(gperry23):

Approved for ESP
Chair

History

- May 2, 2025 by
Jennifer Bazaz
Gettys (jbazaz)

Catalog Published Information

**Total Credits
Required:**

Total credits: 16-18

Registrar's Office Use Only - Program Code:

CLRA

**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.
Students must successfully complete the following coursework with a minimum GPA of 2.00.

Foundation Courses

CLIM 101 & CLIM 103	Global Warming: Weather, Climate, and Society(Mason Core) and Global Warming: Weather, Climate, and Society Laboratory(Mason Core)	4
EVPP 490	Special Topics in Environmental Science and Policy (when the topic is "Climate Change Adaptation Planning and Assessment")	3
Total Credits		7

Practical Experience

Students have the option of completing this requirement via an internship, an independent research project, or a capstone course:		3
Internship ^{1,2}		
ANTH 495	Internship	
BUS 492	Internship in Business ³	
CLIM 409	Research Internship	
COMM 450	Internship in Communication	
ECON 493	Capstone Internship(Mason Core)	
EVPP 494	Internship	

<u>GCH 498</u>	Global and Community Health Internship
<u>GOVT 480</u>	Internship
<u>INTS 490</u>	Internship
<u>SOCI 416</u>	Internship in Sociology I(<u>Mason Core</u>).
Independent Research Project ¹	
<u>ANTH 450</u>	Ethnographic Research Methods
<u>CEIE 490</u>	Civil Engineering Senior Design Project I(<u>Mason Core</u>).
<u>CEIE 491</u>	Civil Engineering Senior Design Project II(<u>Mason Core</u>).
<u>CONF 370</u>	Internship Field Experience
<u>CONF 375</u>	Special Programs Field Experience
<u>CONF 385</u>	International Field Experience
<u>GCH 499</u>	Independent Study in Global and Community Health
<u>GOVT 399</u>	Research Practicum
<u>INTS 498</u>	Experiential Learning
<u>SYST 490</u>	Senior Design Project I
<u>SYST 495</u>	Senior Design Project II(<u>Mason Core</u>).
Capstone Course	
<u>EVPP 480</u>	Sustainability in Action(<u>Mason Core</u>).
<u>GCH 465</u>	Community Health Capstone(<u>Mason Core</u>).
<u>GEOL 420</u>	Earth Science and Policy(<u>Mason Core</u>).
<u>GEOL 480</u>	Internship

GGG 485	Capstone in Geography and Geoinformation Science(Mason Core)	
PSYC 499	Senior Thesis	
Total Credits		3

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The proposed project or internship must be approved by the Climate Resilience and Adaptation Coordinator and the student's academic advisor.

Projects or internships should meet at least one of the following criteria:

- Support climate readiness efforts of local partners,
- Contribute to regional or state-wide assessment of climate vulnerabilities, or
- Contribute to regional or state-wide opportunities to increase resilience

2

George Mason's [Virginia Climate Center](#) at Mason can facilitate student connections with potential mentors and identify suitable placements for internships.

3

Available only to Costello College of Business students who meet the course's prerequisite.

Elective Courses

Select 6-8 credits from the following:		6-8
ANTH 370	Environment and Culture	
ANTH 394	Archaeology of Climate Change	
BIOL 301	Biology and Society(Mason Core)	
BIOL 379	RS: Ecological Sustainability(Mason Core)	
BUS 200	Global Environment of Business(Mason Core)	
BUS 295	Business Models For Sustainability	
CEIE 100	Environmental Issues and Solutions Around the World(Mason Core)	
CEIE 441	Engineering for Climate Adaptation	
CEIE 445	Flood Hazards Engineering and Adaptation	

<u>CEIE 452</u>	Climate Change Engineering and Policy
<u>CLIM 102</u>	Introduction to Global Climate Change Science(<u>Mason Core</u>)
<u>CLIM 111</u>	Introduction to the Fundamentals of Atmospheric Science(<u>Mason Core</u>)
<u>CLIM 312</u>	Physical Climatology
or <u>GGG 312</u>	Physical Climatology
<u>CLIM 314</u>	Severe and Extreme Weather
<u>CLIM 319</u>	Air Pollution
<u>CLIM 440</u>	Climate Dynamics
<u>COMM 433</u>	Environmental Communication, Campaigns, and Social Movements
<u>CONF 300</u>	Conflict Resolution Techniques and Practice
<u>CONF 330</u>	Community, Group, and Organizational Conflict Analysis and Resolution
<u>CONF 340</u>	Global Conflict Analysis and Resolution(<u>Mason Core</u>)
<u>CONF 347</u>	Mobilizing for Change and Justice
<u>ECON 105</u>	Environmental Economics for the Citizen(<u>Mason Core</u>)
<u>ECON 309</u>	Economic Problems and Public Policies
<u>ECON 335</u>	Environmental Economics
<u>ECON 435</u>	Economics of Energy
<u>EVPP 322</u>	Business and Sustainability
<u>EVPP 336</u>	Tackling Wicked Problems in Society the Environment(<u>Mason Core</u>)
<u>EVPP 337</u>	Environmental Policy Making in Developing Countries(<u>Mason Core</u>)
<u>EVPP 361</u>	Introduction to Environmental Policy

<u>EVPP 362</u>	Intermediate Environmental Policy
<u>EVPP 378</u>	RS: Ecological Sustainability(Mason Core)
<u>EVPP 425</u>	<u>RS: Ecological Sustainability</u>
<u>EVPP 432</u>	Energy Policy
<u>EVPP 434</u>	Food-Energy-Water-Climate Nexus
<u>EVPP 436</u>	Politics of Climate Change Governance
<u>EVPP 442</u>	Urban Ecosystems and Processes
<u>EVPP 480</u>	Sustainability in Action(<u>Mason Core</u>).
<u>GCH 305</u>	Introduction to OneHealth
<u>GCH 360</u>	Health and Environment
<u>GEOL 120</u>	The Changing Ocean (<u>Mason Core</u>).
<u>GEOL 121</u>	The Changing Ocean Laboratory (<u>Mason Core</u>).
<u>GEOL 305</u>	Environmental Geology(<u>Mason Core</u>).
<u>GEOL 332</u>	Paleoclimatology
<u>GGG 103</u>	Human Geography(<u>Mason Core</u>).
<u>GGG 302</u>	Global Environmental Hazards
<u>GGG 303</u>	Geography of Resource Conservation(<u>Mason Core</u>).
<u>GGG 304</u>	Population Geography(<u>Mason Core</u>).
<u>GGG 306</u>	Urban Geography
<u>GGG 307</u>	Geographic Approaches for Sustainable Development
<u>GGG 354</u>	Data Analysis and Global Change Detection Techniques

<u>GLOA 388</u>	Global Health and Development
<u>GOVT 352</u>	Responsible Innovation
<u>GOVT 357</u>	Urban Planning
<u>GOVT 361</u>	Introduction to Environmental Policy
<u>GOVT 362</u>	Intermediate Environmental Policy
<u>GOVT 364</u>	Public Policy Making
<u>GOVT 464</u>	Issues in Public Policy and Administration (when the topic is "Introduction to Energy and Climate Law")
<u>INTS 102</u>	Global Networks and Communities(<u>Mason Core</u>).
<u>INTS 210</u>	Sustainable World(<u>Mason Core</u>).
<u>INTS 211</u>	Introduction to Conservation Studies(<u>Mason Core</u>).
<u>INTS 292</u>	Leadership for Sustainability
<u>INTS 304</u>	Social Movements and Community Activism(<u>Mason Core</u>).
<u>INTS 332</u>	Business and Sustainability
<u>INTS 334</u>	Environmental Justice(<u>Mason Core</u>).
<u>INTS 337</u>	Social Justice Consciousness and Action
<u>INTS 406</u>	Global Leadership(<u>Mason Core</u>).
<u>INTS 450</u>	Social Innovation in Action
<u>MGMT 454</u>	Social Impact and Entrepreneurship
<u>PHIL 243</u>	Global Environmental Ethics(<u>Mason Core</u>).
<u>PHIL 343</u>	Topics in Environmental Philosophy(<u>Mason Core</u>).
<u>PSYC 335</u>	Psychology of Creativity and Innovation

PSYC 410	The Psychology of Environmental Stewardship
PSYC 427	Community Engagement for Social Change(Mason Core)
SOCI 332	The Urban World(Mason Core)
SOCI 352	Social Problems and Solutions(Mason Core)
WMST 319	Gender, Health, and Culture in the United States

Total Credits

6-8

Retroactive
Requirements
Updates:

Program
Outcomes

Program Outcomes

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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.

Yes

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: 1113