

Program Change Request

Date Submitted: 03/13/26 12:44 pm

Viewing: **SC-MS-EVSP : Environmental Science and Policy, MS**

Last approved: 04/24/25 11:16 am

Last edit: 03/18/26 1:47 pm

Changes proposed by: jbazaz

Catalog Pages Using this Program

[Environmental Science and Policy, MS](#)

No Longer Anticipated closure

Rationale for

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

Yes

Requestor:

In Workflow

1. **ESP GR Committee**
2. **ESP Chair**
3. SC Curriculum Committee
4. SC Assistant Dean
5. Assoc Provost-Graduate
6. Registrar:Concentrat Code
7. Registrar-Programs: Duration
8. Registrar-Programs

Approval Path

1. 03/18/26 1:36 pm Amy Fowler (afowler6): Approved for ESP GR Committee

History

1. Nov 8, 2017 by clmig-jwehrheim
2. Feb 28, 2018 by rzachari
3. Mar 8, 2018 by rzachari
4. Mar 16, 2018 by rzachari
5. Mar 19, 2018 by rzachari
6. Mar 7, 2019 by scheselk
7. Nov 25, 2019 by Jennifer Bazaz

- Gettys (jbazaz)
8. Jan 30, 2020 by
Jennifer Bazaz
Gettys (jbazaz)
9. Jul 24, 2020 by
Jennifer Bazaz
Gettys (jbazaz)
10. Nov 9, 2020 by
Jennifer Bazaz
Gettys (jbazaz)
11. Jan 29, 2021 by
Jennifer Bazaz
Gettys (jbazaz)
12. Feb 23, 2021 by
jriemen
13. Oct 1, 2021 by
Jennifer Bazaz
Gettys (jbazaz)
14. Dec 2, 2021 by
Jennifer Bazaz
Gettys (jbazaz)
15. Dec 6, 2021 by Tory
Sarro (vsarro)
16. Apr 24, 2023 by
Jennifer Bazaz
Gettys (jbazaz)
17. Apr 28, 2023 by
Tory Sarro (vsarro)
18. Apr 26, 2024 by
Jennifer Bazaz
Gettys (jbazaz)
19. May 21, 2024 by
Tory Sarro (vsarro)
20. Apr 21, 2025 by
Jennifer Bazaz
Gettys (jbazaz)
21. Apr 24, 2025 by
Deborah Mcgarrah
(dmcgarra)

Name	Extension	Email
Ted Hsuan Yun Chen	5302	tchen28@gmu.edu>

Effective Catalog: 2026-2027

Program Level: Graduate

Program Type: Master's

Degree Type: Master of Science

Title: Environmental Science and Policy, MS

4. What is the purpose of the program?

5. What evidence was used to determine the program's effectiveness?

6. Have you ensured that the program meets the needs of the community?

7. How do you ensure that the program is relevant to the needs of the community?

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14. How do you ensure that the program is relevant to the needs of the community?

15. How do you ensure that the program is relevant to the needs of the community?

Banner Title: MS Environmental Sci & Policy

Is this a retitling of an existing program?

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

Concentration(s):

	Associated Concentrations	Registrar's Office Use Only: Concentration Code
1	Aquatic Ecology	AQEC
2	Conservation Science and Policy	COCP
3	Environmental Science and Policy	EVSP
4	Communication for Environmental Science, Policy, and Human Behavior	CESP
5	Environment and Management	EVM
6	Energy and Sustainability Policy and Science	ESPS
7	Conservation Medicine & Planetary Health	CMPH

Registrar/IRR Use Only – Concentration CIP Code

College/School: College of Science
Department / Academic Unit: Environmental Science & Policy
Jointly Owned Program? No

Is there an embedded degree as part of a program?

Justification

What: Removing some background knowledge requirements for program admission.
 Why: These requirements do not reflect the multidisciplinary background of the EVPP graduate students. The program’s admission selection process already has the appropriate filters for applicant background.

What: Core options to match PhD core options (with some additional flexibility).
 Why: Better integration between Masters and Doctoral program. Closer reflection of course offerings by department.

What: Non-thesis track added and concentrations removed.
 Why: Adding more flexibility for students not intending to pursue academic research careers. Students not completing a thesis will take an additional course.

Total Credits Required: Total credits: ~~30-33~~ **33**

Registrar's Office Use Only - Program Code:
SC-MS-EVSP

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.

Eligibility

Applicants should hold a bachelor's degree from an institution of higher education accredited by a Mason-recognized U.S. institutional accrediting agency or international equivalent with a GPA of 3.00 in natural or Earth sciences, engineering, resource planning, environmental studies, or a field that leads to an environmental focus.

~~Applicants should have taken at least two semesters of chemistry and three semesters of biology, including a course in ecology. Applicants who lack this coursework should contact the ESP Graduate Office for advice (espgrad@gmu.edu). Successful completion of a two-semester sequence of introductory graduate-level environmental chemistry and biology courses can be used to satisfy the biology and chemistry prerequisites for admission. These introductory courses would be in addition to the requirements for the degree.~~

Application Requirements

To apply for this program, prospective students should submit the [George Mason University Admissions Application](#) and its required supplemental documentation, and:

- Three letters of recommendation, including at least one from a former professor or, if not available, from someone with a PhD.
- Statement of interest indicating: Desired concentration, potential areas of environmental focus/research interest, interactions with potential faculty advisors, and career goals.
- [Students choosing the Thesis Track must contact](#) **Contact** a potential George Mason faculty advisor (appropriate for research interests). The availability of an advisor in the student's area of interest is a prerequisite for admission. The advisor will provide a completed Prospective Advisor Form to be included in the admissions application. More details can be found [here](#).

The GRE is not required for admission into this program.

Program-Specific Policies: **Policies**

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

Transferring Previous Graduate Credit into this Program

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

Course Selections

Some program requirements may be fulfilled by completing courses from a variety of academic units at Mason. A student's course selections should reflect a coherent individual program focus, which is stated and briefly described in the program of study. Course selections should also support the research component of the student's degree program (if applicable) and should be developed in close consultation with the supervisory committee. The supervisory committee approves a coursework program (the program of study) individually for each student. In special cases, the graduate program director may permit the substitution of an alternative course in place of a required one.

Supervisory Committee

Students must form a supervisory committee and submit a program of study to the ESP Graduate Office (espgrad@gmu.edu) for approval within the first 9 credits of coursework or by the end of the second semester, whichever comes first.

The supervisory committee consists of the advisor and at least two other members, chosen in consultation with the advisor, and must conform to [AP.6.9 Requirements for Master's Degrees](#).

Degree Requirements: This is a Green Leaf program. Students should refer to [Admissions & Policies](#) for specific policies related to this program.

Students must complete the Core Courses and then choose either the Environmental Science and Public Policy (Thesis Track) for a total of 30 credits, or the Environmental Science and Public Policy (Non-thesis Track) for a total of 33 credits.

~~Students in all concentrations must complete the Core Courses, Research Requirement, concentration requirements, and elective credits (as needed) for a total of 33 credits.~~

~~Students may elect for their degree to culminate in either a research project (3 credits) or a thesis (3-6 credits). The concentration credit amount requirements below are directly related to the selection of either a research project or a thesis.~~

Core Courses

Select at least one course from each of the following categories:

Natural Science

3

EVPP 518

Conservation Biology

EVPP 542

Urban Ecosystems Processes

EVPP 549

Marine Ecology

<u>EVPP 581</u>	<u>Estuarine and Coastal Ecology</u>	
<u>EVPP 607</u>	<u>Fundamentals of Ecology</u>	
<u>Policy and Social Science</u>		<u>3</u>
<u>EVPP 530</u>	<u>Evidence-Based Environmental Policymaking</u>	
<u>EVPP 534</u>	<u>Food-Energy-Water Nexus</u>	
<u>EVPP 642</u>	<u>Environmental Policy</u>	
<u>EVPP 670</u>	<u>Environmental Law</u>	
<u>EVPP 675</u>	<u>Environmental Planning and Administration</u>	
<u>Methods</u>		<u>3</u>
<u>EVPP 585</u>	<u>Quantitative Data Analysis for Environmental Scientists</u>	
<u>EVPP 630</u>	<u>Research Design for Environmental Social Scientists</u>	
<u>EVPP 651</u>	<u>Multivariate Data Analysis for Ecology and Environmental Science</u>	
<u>CONS 560</u>	<u>Statistics and Study Design in Ecology and Conservation</u>	
<u>CONS 625</u>	<u>Generalized Linear and Mixed Models in Ecology and Conservation Biology</u>	
<u>Transdisciplinarity and Professionalism</u>		<u>3</u>
<u>EVPP 505</u>	<u>Selected Topics in Environmental Science (when the topic is "Career Development for Environmental Scientists")</u>	
<u>Seminar</u>		<u>3</u>
<u>EVPP 692</u>	<u>Master's Seminar in Environmental Science and Public Policy (taken for 1 credit)</u>	
<u>EVPP 991</u>	<u>Advanced Seminar in Environmental Science (taken for 2 credits)</u>	
Total Credits		15

Thesis or Non-Thesis Tracks

Science Courses

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

EVPP-518	Conservation Biology
EVPP-607	Fundamentals of Ecology
EVPP-648	Population Ecology

Statistics Courses

Select 3 credits from the following: 3

EVPP-585	Quantitative Data Analysis for Environmental Scientists
EVPP-632	Qualitative Research Methods for Environmental Scientists
EVPP-651	Multivariate Data Analysis for Ecology and Environmental Science
CONS-560	Statistics and Study Design in Ecology and Conservation
CONS-625	Generalized Linear and Mixed Models in Ecology and Conservation Biology
GCH-604	Fundamentals of Epidemiology and Biostatistics
POGO-511	Introductory Data Analysis for Policy and Government
SOCI-620	Methods and Logic of Social Inquiry
STAT-554	Applied Statistics I

Policy Courses

Select 3 credits from the following: 3

EVPP-635	Environment and Society
EVPP-642	Environmental Policy

Science and Policy Courses

Select 3 credits from the following: 3

EVPP-530	Evidence-Based Environmental Policymaking
EVPP-670	Environmental Law

Seminar Courses

Select 3 credits from the following: 3

EVPP-692	Master's Seminar in Environmental Science and Public Policy
EVPP-991	Advanced Seminar in Environmental Science

Total Credits 0

Research Requirement

The research requirement may be satisfied in one of two ways: A research project or a formal thesis. The depth and sophistication of the research differs between the two options. The thesis normally involves original research with independent acquisition and interpretation of data, with the goal of peer-reviewed publication. Projects are generally less extensive and can include a broader range of activities.

Select one of the following options: 3-

6

Research Project Option

Students fulfilling the research requirement with the project option register for EVPP 798 Master's Research Project in Environmental Science and Public Policy and are required to take a comprehensive examination covering knowledge mastered throughout the program of study. This examination includes both a written and an oral component and is administered by the student's supervisory committee. Project written product and public presentation of the project may be substituted for oral and written examinations at the discretion of the student's advisor and committee members. Students will be graded "Satisfactory/No Credit" on the project research requirement.

EVPP 798	Master's Research Project in Environmental Science and Public Policy (3 credits)
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Thesis Option

Students fulfilling the research requirement with the thesis option register for EVPP 799 Master's Thesis in Environmental Science and Public Policy, present their results in a public seminar, and defend their thesis before their supervisory committee. Students will be graded "Satisfactory/No Credit" on the thesis research requirement.

EVPP 799	Master's Thesis in Environmental Science and Public Policy (3-6 credits)
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Total Credits	0
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Aquatic Ecology Concentration (AQEC)

This concentration will provide students with a well-grounded master's in the study of aquatic environments such as lakes, streams, watersheds, estuaries, and the ocean. Emphasis is placed on food webs, biogeochemical cycles, water quality, habitat characteristics, and life histories of aquatic organisms. Students will become proficient with research tools including literature review, field and laboratory methods, and analytical tools as well as applications to management issues.

Aquatic Science

Required Courses

EVPP 550	Waterscape Ecology and Management	3
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EVPP 581	Estuarine and Coastal Ecology	3
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Select 3-6 credits from the following: ¹		3-6
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EVPP 519	Marine Mammal Biology and Conservation
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EVPP 521	Marine Conservation
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EVPP 536	The Diversity of Fishes
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EVPP 545	Principles of Environmental Toxicology
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EVPP 549	Marine Ecology
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EVPP-563	Coastal Morphology and Processes	
EVPP-566	Coral Reef Ecology, Health, and Conservation	
EVPP-608	Introduction to Environmental Social Science	
EVPP-619	The Challenge of Biodiversity	
EVPP-623	Translating Environmental Policy into Action	
EVPP-635	Environment and Society	
EVPP-641	Environmental Science and Public Policy	
EVPP-642	Environmental Policy	
EVPP-643	Microbial Ecology	
EVPP-646	Wetland Ecology and Management	
EVPP-648	Population Ecology	
CLIM-512	Physical Oceanography	
Select 3 credits from the following: ¹		3
EVPP-505	Selected Topics in Environmental Science (when the topic is "Protists Diversity and Ecology")	
EVPP-515	Molecular Environmental Biology I	
EVPP-555	Lab in Waterscape Ecology	
EVPP-567	Coral Reef Ecology, Health, and Conservation Lab/Field Experience	
EVPP-582	Estuarine and Coastal Ecology Laboratory	
EVPP-615	Molecular Environmental Biology II	
EVPP-647	Wetland Ecology Lab and Field	
EVPP-651	Multivariate Data Analysis for Ecology and Environmental Science	
GG5-653	GIS Analysis and Application	
STAT-554	Applied Statistics I	
Total Credits		0

¹

Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree:

Conservation Science and Policy Concentration (COSP)

This concentration is designed to foster an interdisciplinary, research-oriented degree focusing on the conservation of threatened species and habitats, integrating biological sciences and the human dimensions of conservation practice. Students may take courses offered by the Department of Environmental Science and Policy and other departments, including CONS courses which are offered through the Smithsonian-Mason School of Conservation. This unique partnership with the Smithsonian-Mason School of Conservation (SMSC) in Front Royal, Virginia offers students hands-on education in cutting-edge conservation science and human dimensions through residential, intensive classes. SMSC is renowned for its conservation research and training of conservation practitioners around the world and instructors for these classes are drawn from SMSC's conservation scientists and other experts from around the world.

Required Courses

EVPP-637	Human Dimensions of Climate Change	3
Select 3 credits from the following: ¹		3
EVPP-518	Conservation Biology	
EVPP-619	The Challenge of Biodiversity	
EVPP-621	Overview of Biodiversity Conservation	
Select 3 credits from the following: ¹		3
EVPP-529	Environmental Science Communication	
EVPP-530	Evidence-Based Environmental Policymaking	
Select 3-6 credits from the following: ¹		3-6
EVPP-515	Molecular Environmental Biology I	
EVPP-527	Conservation Medicine	
EVPP-560	Infectious Diseases of Wildlife	
EVPP-607	Fundamentals of Ecology	
EVPP-615	Molecular Environmental Biology II	
EVPP-620	Development of U.S. Environmental Policies	
EVPP-623	Translating Environmental Policy into Action	
EVPP-648	Population Ecology	
GG5-553	Geographic Information Systems	
Total Credits		0

¹ Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree.

Environmental Science and [Public Policy \(Thesis Track\)](#) Concentration (EVSP)

Electives**8-11**Complete 8-11 credits of EVPP-prefixed courses.**Research Requirement****4-7**Select 4-7 credits from the following:EVPP 797Master's Thesis ProposalEVPP 799Master's Thesis in Environmental Science and Public Policy**Total Credits****15****Environmental Science and Public Policy (Non-thesis Track)****Environmental Management****6**EVPP 638Corporate Environmental Management and PolicyEVPP 677Applied Ecology and Ecosystem Management**Natural Science****3-6**EVPP 505Selected Topics in Environmental ScienceEVPP 521Marine ConservationEVPP 536The Diversity of FishesEVPP 542Urban Ecosystems ProcessesEVPP 545Principles of Environmental ToxicologyEVPP 549Marine EcologyEVPP 575Global Biodiversity GovernanceEVPP 607Fundamentals of EcologyEVPP 646Wetland Ecology and Management**Policy and Social Science****3-6**EVPP 521Marine ConservationEVPP 530Evidence-Based Environmental PolicymakingEVPP 533Energy PolicyEVPP 641Environmental Science and Public PolicyEVPP 642Environmental PolicyEVPP 675Environmental Planning and AdministrationPUAD 502Administration in Public and Nonprofit Organizations

Business Management, Systems Thinking, and Leadership**3**GBUS 613 Financial Reporting and Decision MakingGBUS 623 Marketing ManagementGBUS 643 Managerial FinanceGBUS 653 Organizational BehaviorSYST 514 Systems ThinkingSYST 520 System Engineering Design**Total Credits****18**

The Environmental Science and Policy concentration is the largest within the master's and serves as a home for a broad array of research foci. It encourages an independent and creative approach to the development of curricula that reside in the general field of environmental science and policy.

Required CoursesSelect at least 3 credits from the following:¹**3**

EVPP-527 Conservation Medicine

EVPP-532 Animal Behavior

EVPP-543 Tropical Ecosystems

EVPP-648 Population Ecology

Select at least 3 credits from the following:¹**3**

EVPP-531 Land-use Modeling Techniques and Applications

EVPP-650 Ecosystem Analysis and Modeling

STAT-525 Nonparametric Statistics and Categorical Data Analysis

STAT-535 Analysis of Experimental Data

Select 6-9 credits from the following:¹**6-****9**

EVPP-505 Selected Topics in Environmental Science (when the topic is "Protists Diversity and Ecology")

EVPP-521 Marine Conservation

EVPP-533 Energy Policy

EVPP-536 The Diversity of Fishes

EVPP-542 Urban Ecosystems Processes

EVPP-550	Waterscape Ecology and Management	
EVPP-560	Infectious Diseases of Wildlife	
EVPP-619	The Challenge of Biodiversity	
EVPP-622	Management of Wild Living Resources	
EVPP-623	Translating Environmental Policy into Action	
EVPP-641	Environmental Science and Public Policy	
EVPP-677	Applied Ecology and Ecosystem Management	
Total Credits		0

¹

Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree.

Communication for Environmental Science, Policy, and Human Behavior (CESP)

The ability to communicate underlies all successful human cooperation. With the growth of anthropogenic global threats such as biodiversity loss and climate change, communication that supports environmental knowledge formation, policy, and behavior change is needed more than ever. Two courses in the concentration from the department, supplemented by those across the university, will allow students to focus on one of these topics. Other classes aside from the core courses may be substituted as needed.

Required Courses

EVPP-529	Environmental Science Communication	3
EVPP-530	Evidence-Based Environmental Policymaking	3
Select 3-6 credits from one of the following groupings: ¹		3-6

Policy and Governance Grouping

EVPP-575	Global Biodiversity Governance	
COMM-637	Risk Communication	
GOVT-510	American Government and Politics	
PUAD-540	Public Policy Process	

Behavior Change Grouping

COMM-637	Risk Communication	
COMM-660	Climate Change and Sustainability Communication Campaigns	
COMM-670	Social Marketing	

COMM-706	Strategic Communication	
Science in Society Grouping		
COMM-602	Theories and Research of Mass Communication	
COMM-639	Science Communication	
COMM-642	Science and the Public	
COMM-735	Crisis Communication	
Select at least 3 credits from the following: ¹		3
GG5-553	Geographic Information Systems	
GG5-681	Social Media Analysis	
COMM-650	Intro to Research Methods in Communication	
COMM-775	Media Content Analysis	
EDRS-811	Quantitative Methods in Educational Research	
EDRS-827	Introduction to Measurement and Survey Development	
POGO-511	Introductory Data Analysis for Policy and Government	
POGO-646	Policy and Program Evaluation	
PSYC-557	Psychometric Methods	
PUBP-704	Statistical Methods in Policy Analysis	
SOCI-620	Methods and Logic of Social Inquiry	
SOCI-631	Survey Research	
Total Credits		0

¹

Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree.

Environment and Management Concentration (EVM)

This concentration combines the managerial and administrative skills developed in a traditional master of public administration degree program with the scientific knowledge and understanding normally found in a master of science degree. It is especially meant for individuals working in or aspiring to work as managers in the environmental field in government or private industry.

Required Courses

EVPP-641	Environmental Science and Public Policy	3
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EVPP-677	Applied Ecology and Ecosystem Management	3
Select 3 credits from the following: ¹		3
EVPP-638	Corporate Environmental Management and Policy	
PUAD-502	Administration in Public and Nonprofit Organizations	
Select 3-6 credits from the following: ¹		3-6
EVPP-505	Selected Topics in Environmental Science (when the topic is "Protists Diversity and Ecology")	
EVPP-524	Introduction to Environmental and Resource Economics	
EVPP-529	Environmental Science Communication	
EVPP-530	Evidence-Based Environmental Policymaking	
EVPP-533	Energy Policy	
EVPP-536	The Diversity of Fishes	
EVPP-542	Urban Ecosystems Processes	
EVPP-545	Principles of Environmental Toxicology	
EVPP-550	Waterscape Ecology and Management	
EVPP-560	Infectious Diseases of Wildlife	
EVPP-620	Development of U.S. Environmental Policies	
EVPP-646	Wetland Ecology and Management	
GG5-553	Geographic Information Systems	
Total Credits		0

¹ Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree:

Energy and Sustainability Policy and Science (ESPS)

Many mid-level energy and sustainability positions in the public and private sectors require multidisciplinary grounding in science, policy, and methods. To provide such a foundation, this concentration combines the scientific knowledge normally acquired through a Master of Science degree with development of relevant policy and methods skills.

Required Courses

EVPP-533	Energy Policy	3
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Select 3 credits from the following: ¹		3
EVPP-534	Food-Energy-Water Nexus	
GG5-507	Geographic Approaches for Sustainable Development	
Select 3 credits from the following: ¹		3
EVPP-542	Urban Ecosystems Processes	
EVPP-677	Applied Ecology and Ecosystem Management	
GEOL-521	Geology of Energy Resources	
PHYS-581	Topics in Renewable Energy	
CEIE-501	Sustainable Development	
CEIE-550	Environmental Engineering Systems	
CEIE-634	Geoenvironmental Design	
CEIE-690	Topics in Civil Engineering	
CEIE-742	Water Resources Engineering II: Water Resource Systems	
Select 1 or 2 courses from the following: ¹		3=
		6
EVPP-505	Selected Topics in Environmental Science (When the topic is "Energy Law & Regulation," or "Fundamentals of Environmental GIS" (EVPP-505 can be taken twice if these two topics are taken separately))	
EVPP-534	Food-Energy-Water Nexus	
EVPP-503	Field Mapping Techniques	
or-GEOL-553	Field Mapping Techniques	
EVPP-638	Corporate Environmental Management and Policy	
EVPP-650	Ecosystem Analysis and Modeling	
CSS-645	Spatial Agent-Based Models of Human-Environment Interactions	
GG5-507	Geographic Approaches for Sustainable Development	
ECON-695	Special Topics in Economics	
NUTR-608	Perspectives on Food Security	
NUTR-630	Global Nutrition	
Total Credits		0

1

Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree.

Conservation Medicine & Planetary Health Concentration (CMPH)

Conservation Medicine and Planetary Health (CMPH) are emerging disciplines that address complex health problems that follow disturbances to the Earth's natural systems requiring transdisciplinary collaborations, systems thinking, and adaptive management approaches to health and ecology. Conservation Medicine evolved from the singular key principle that *health connects all species on the planet*. Planetary Health is focused on characterizing the human health impacts of anthropogenic disruptions of Earth's natural systems. The CMPH concentration will provide training in quantitative and qualitative research methods and expand the student's ability to think outside of the box and work beyond traditional disciplinary silos to address complex health issues rooted in ecological principles.

Required Courses

EVPP-527	Conservation Medicine	3
EVPP-528	Planetary Health	3
EVPP-677	Applied Ecology and Ecosystem Management	3
Select 3-6 credits from the following: ¹		3-6
EVPP-529	Environmental Science Communication	
EVPP-542	Urban Ecosystems Processes	
EVPP-545	Principles of Environmental Toxicology	
EVPP-560	Infectious Diseases of Wildlife	
EVPP-575	Global Biodiversity Governance	
EVPP-610	Bioremediation: Theory and Applications	
EVPP-637	Human Dimensions of Climate Change	
EVPP-642	Environmental Policy	
EVPP-651	Multivariate Data Analysis for Ecology and Environmental Science	
CLIM-690	Scientific Basis of Climate Change	
GG5-540	Health Geography	
BIOD-609	Biodefense Strategy	
COMM-735	Crisis Communication	
GCH-543	Global Health	
GCH-604	Fundamentals of Epidemiology and Biostatistics	

~~NUTR-630 Global Nutrition~~

~~PUAD-630 Emergency Planning and Preparedness~~

~~Total Credits~~

~~0~~

~~1~~

~~Credits must be unique to this concentration and are not permitted to share with other core requirements in this degree.~~

~~Electives~~

~~If necessary, students must take additional electives or concentration courses to bring the degree total to 33 credits. These courses must be approved by the student's supervisory committee and outlined on the student's program of study.~~

~~0-~~

~~3~~

~~Total Credits~~

~~0~~

~~Retroactive Requirements Updates:~~

~~Allow any topic of EVPP 991 to count toward the seminar requirement as of fall 2020.~~

~~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 applicable):

Indicate whether

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 the content of the new

Which existing approved

Is this new program considere

Which existing approved

Is this new program considere

Which existing approved

Is this a re-opening of a

Date of Program Closure

What are the methods of

Does this program include a

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

Which existing approved

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.)

25%-49% ~~0%-24%~~

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

No

What is the new method of

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

Description of institutional

Will any additional faculty be required?

No

Description of institutional

Will any additional financial resources be needed?

No

Description of institutional

Additional library/learning resources needed?

No

Description of institutional

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.

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf program? Yes

Green Leaf Designation Sustainability-focused 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 program:

Sustainability-related academic
List sustainability-

Does this program cover material which crosses into another department?

No

Uploaded
Additional Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eshtml%

Attached