Program Change Request

Date Submitted: 03/09/22 3:01 pm

Viewing: SC-BS-EVSC: Environmental Science, BS

Last approved: 12/06/21 9:00 pm

Last edit: 03/09/22 3:01 pm

Changes proposed by: jbazaz

Environmental Science, BS

Catalog Pages
Using this Program

No Longer
Anticipated closure

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

Yes

Requestor:

In Workflow

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

Approval Path

1. 03/10/22 6:51 am
A. Alonso Aguirre
(aaguirr3):
Approved for ESP
Chair

History

- 1. Nov 1, 2017 by clmig-jwehrheim
- 2. Mar 1, 2018 by Jennifer Bazaz Gettys (jbazaz)
- Mar 13, 2018 by Jennifer Bazaz Gettys (jbazaz)
- 4. Mar 26, 2018 by rzachari
- 5. Nov 7, 2018 by Jennifer Bazaz Gettys (jbazaz)
- 6. Feb 8, 2019 by Susan Cheselka (scheselk)
- 7. Nov 13, 2020 by Tory Sarro (vsarro)
- 8. Dec 21, 2020 by Jennifer Bazaz

Gettys (jbazaz)

9. Dec 6, 2021 by

Jennifer Bazaz

Gettys (jbazaz)

Name	Extension	Email
Keanah Turner	3187	kturne2@gmu.edu

Effective Catalog: 2022-2023

Program Level: Undergraduate

Program Type: Bachelor's

Degree Type:Bachelor of Science

Title: Environmental Science, BS

Annual Cuitaria

- 1 What was the process used wit
- 3 What evidence was used to ident
- a Have you ensured there are no other existi
- b. Has CPF confirmed the proposed badge doe
- c. Has the instructor(s) for this hadge experienc
- d to those a contect have minimized
- Charitana tanamanana an al
- f. Does this badge provide a benefit for current or
- 5. Is this badge co-sponsored with another

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a. What is the organization. program. or department

Farning Critoria

Caurca

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Daymont

Dortfolio:

Drocontation:

Accoccmont.

Cradantial

Education

Other:

Project:

Professional

Schedule/Registration:

Volunteer:

Skills Tag

Skille Tag

Badge Attributes

Diago coloct and from each category

Achievement Tyne:

Mastery Level:

Time Commitment:

Cost:

Industry Standards:

Recommendations:

Issuance information and Pricing

Estimated Number of Badges Expected to be Issued:

Notes:

- All hadge requests will be routed to CDF for review and approval. Dlease allow 7
- A Mason Digital Credentials Advisory Group may be developed to review badge

Banner Title: BS Environmental Science

Approved

Fall 2018

Is this a retitling of

an existing

Existing Program

Registrar/OAPI Use

Only – SCHEV

Status

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
Conservation	CNSV
Ecological Science	ESCI
Environmental Health	EVHL
Human and Ecosystem Response to Climate Change	HERC
Marine, Estuarine and Freshwater Ecology	MEFC
Wildlife	WILD
	Conservation Ecological Science Environmental Health Human and Ecosystem Response to Climate Change Marine, Estuarine and Freshwater Ecology

INTO Maior(s).

Registrar/IRR Use

Only -

Concentration CIP

Code

College/School: College of Science

Department /

Environmental Science & Policy

Academic Unit:

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Jointly Owned Program?

No

Participating

Participating

Justification

What: Adding new required courses and electives to the Wildlife concentration.

Why: Expanded course offerings are applicable to this concentration and will ease student

advising.

Catalog Published Information

Total Credits

Total credits: minimum 120

Required:

Registrar's Office Use Only - Program Code:

SC-BS-EVSC

Registrar/IRR Use Only - Program CIP 03.0104 - Environmental Science.

Code

Admission **Requirements:**

Admissions

University-wide admissions policies can be found in the <u>Undergraduate Admissions Policies</u> 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.

Students can fulfill the writing intensive requirement for this major by taking EVPP 337 Environmental Policy Making in Developing Countries.

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

Degree Requirements:

This is a Green Leaf program.

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

Please note that all CONS courses are offered through the Smithsonian-Mason Semester.

Core Requirements

All students complete the following core courses:

Environmental Science

EVPP 210 Environmental Biology: Molecules and Cells

4

EVPP 301 Environmental Science: Biological Diversity and Ecosystems

4/15

Total Credits Mathematics

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EVPP 302

EVPP 305

EVPP 306

EVPP 337

EVPP 361

EVPP 377

EVPP 430

BIOL 214

EVPP 336 EVPP 338

EVPP 362

EVPP 475

EVPP 378 EVPP 401

EVPP 480 CONS 490

Total Credits

Chemistry **CHEM 211**

CHEM 213

CHEM 212

CHEM 214

Select one from the following:

Select one from the following:

1 Fulfills the writing intensive requirement.

Applied Ecology

Select two from the following:

MATH 111 Linear Mathematical Modeling (Mason Core) **MATH 113** Analytic Geometry and Calculus I (Mason Core)

MATH 114 Analytic Geometry and Calculus II

Total Credits

Geology

CDS 130

GEOL 102 Historical Geology (Mason Core)

& GEOL 104 and Historical Geology Laboratory (Mason Core)

Computing for Scientists

Total Credits 4

Information Technology

Total Credits 3

Experiential Learning

Select at least one from the following: 1-6

EVPP 395 Undergraduate Research in Environmental Science and Policy

EVPP 494 Internship

CONS 496	Research in C	onservation	(Mason Core)
CONS 450	Nescarcii iii c	onservation i	IIVIASUII CUIEI

CONS 498 Internship

Total Credits 1-6

Concentration in Conservation (CNSV)

Select at least 21	credits from the following:	21
EVPP 318	Conservation Biology	
EVPP 378	RS: Ecological Sustainability (Mason Core)	
EVPP 395	Undergraduate Research in Environmental Science and Policy	
EVPP 396	Directed Topic in Environmental Science and Policy 1	
EVPP 419	Marine Mammal Biology and Conservation	
EVPP 420	Marine Mammal Biology and Conservation Field Course	
EVPP 421	Marine Conservation	
EVPP 427	Conservation Medicine	
EVPP 440	Field Environmental Science 1	
EVPP 475	Global Biodiversity Governance	
EVPP 490	Special Topics in Environmental Science and Policy 1	
EVPP 494	Internship	
BIOL 300	BioDiversity	
BIOL 435	Selected Topics in Biology 1	
GGS 303	Geography of Resource Conservation (Mason Core)	
GGS 307	Geographic Approaches for Sustainable Development	
CONS 320	Conservation in Practice	
CONS 400	Conservation Seminar	
CONS 401	Conservation Theory	
CONS 402	Applied Conservation	
CONS 404	Biodiversity Monitoring	
CONS 405	Landscape and Macrosystems Ecology	
CONS 406	Small Population Management	
CONS 410	Human Dimensions in Conservation (Mason Core)	
CONS 490	RS: Integrated Conservation Strategies (Mason Core) (Synthesis course)	
CONS 491	RS: Conservation Management Planning (Mason Core)	
CONS 497	Special Topics in Conservation	
CONS 499	Independent Study/Research	
<u>INTS 311</u>	The Mysteries of Migration: Consequences for Conservation (Mason Core)	
PRLS 300	People with Nature	
PRLS 402	Human Behavior in Natural Environments	
Alternative co	ourses may be taken as approved by the program coordinator.	
Total Credits		21

1 In a relevant topic.

Concentration in Ecological Science (ECSI)

Select at least 21	credits from the following:	2.
EVPP 309	Oceanography	
EVPP 350	Freshwater Ecosystems	
EVPP 355	Ecological Engineering and Ecosystem Restoration	
EVPP 378	RS: Ecological Sustainability (Mason Core)	
EVPP 395	Undergraduate Research in Environmental Science and Policy	
EVPP 396	Directed Topic in Environmental Science and Policy 1	
EVPP 408	Mushrooms, Molds and Society	
EVPP 427	Conservation Medicine	
EVPP 440	Field Environmental Science 1	
EVPP 449	Marine Ecology	
EVPP 490	Special Topics in Environmental Science and Policy 1	
EVPP 494	Internship	
BIOL 300	BioDiversity	
BIOL 345	Plant Ecology	
BIOL 435	Selected Topics in Biology 1	
BIOL 459	Fungi and Ecosystems	
GEOL 305	Environmental Geology	
GEOL 306	Soil Science	
GGS 307	Geographic Approaches for Sustainable Development	
Alternative co	urses may be taken as approved by the program coordinator.	
Total Credits		2:
1 In a relev	ant topic.	
Concentu	ation in Environmental Health (EVIII)	
Concentr	ation in Environmental Health (EVHL)	
Required Courses	5	
EVPP 427	Conservation Medicine	3
EVPP 445	Principles of Environmental Toxicology	3
Course Options		
Select at least 15	credits from the following	15
EVPP 395	Undergraduate Research in Environmental Science and Policy	
EVPP 396	Directed Topic in Environmental Science and Policy 1	
EVPP 409	Medical Mycology	
EVPP 428	Planetary Health	
EVPP 440	Field Environmental Science 1	
EVPP 490	Special Topics in Environmental Science and Policy 1	
EVPP 494	Internship	
EVPP 515	Molecular Environmental Biology I	
BIOL 305	Biology of Microorganisms	
& <u>BIOL 306</u>	and Biology of Microorganisms Laboratory	
BIOL 402	Applied and Industrial Microbiology	
BIOL 404	Medical Microbiology	
BIOL 465	Histology	

SC-BS-EVSC: Environmental Science, BS

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Concentration in Wildlife (WILD)

Wildlife Courses

EVPP 318 Conservation Biology

 In a topic relevant to wildlife. In a topic relevant to zoology. In a topic relevant to botany. Retroactive Requirements Updates: 	BIOL 460	Infectious Diseases Wildlife	3
EVPP 396 Directed Topic in Environmental Science and Policy 1 EVPP 428 Planetary Health EVPP 449 Principles of Environmental Toxicology EVPP 490 Special Topics in Environmental Science and Policy EVPP 491 Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 438 Herpetology Zoology Courses Choose one course from the following: EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 494 Internship 2 BIOL 431 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 333 Invertebrate Zoology BIOL 455 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 397 Plants and People (Mason Core) BIOL 344 Plant Biology BIOL 345 Plant Ecology BIOL 346 Plant Ecology BIOL 346 Plant Ecology BIOL 347 Plant Ecology BIOL 348 Plant Ecology BIOL 349 Plant Ecology BIOL 340 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 1 In a topic relevant to wildlife. 2 In a topic relevant to botany. Retroactive Requirements Updates:	Choose one co	ourse from the following:	3-4
EVPP 419 Marine Mammal Biology and Conservation EVPP 428 Planetary Health EVPP 445 Principles of Environmental Toxicology EVPP 490 Special Topics in Environmental Science and Policy EVPP 491 Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 396 Internship 2 BIOL 331 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 397 Undergraduate Research in Environmental Science and Policy 3 EVPP 398 Directed Topic in Environmental Science and Policy 3 EVPP 399 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 344 Plant Biology BIOL 345 Plant Ecology BIOL 345 Plant Ecology BIOL 346 Plant Biology BIOL 347 Plant Ecology BIOL 348 Plant Ecology BIOL 349 Plant Biology BIOL 349 Plant Ecology BIOL 340 Plant Biology BIOL 341 Plant Ecology BIOL 342 Plant Ecology BIOL 343 Plant Ecology BIOL 345 Plant Ecology BIOL 346 Plant Ecology BIOL 347 Plant Ecology BIOL 348 Plant Ecology BIOL 349 Plant Ecology BIOL 340 Plant Biology BIOL 341 Plant Ecology BIOL 345 Plant Ecology BIOL 346 Plant Ecology BIOL 347 Plant Ecology BIOL 348 Plant Ecology BIOL 349 Plant Ecology BIOL 349 Plant Ecology BIOL 340 Plant Biology Blant Ecology BIOL 341 Plant Ecology BIOL 342 Plant Ecology BIOL 343 Plant Ecology BIOL 344 Plant Ecology BIOL 345 Plant Ecology BIOL 346 Plant Ecology BIOL 347 Plant Ecology BIOL 348 Plant Ecology BIOL 349 Plant Ecology BIOL 340 Plant Biology BIOL 340 Plant BIOL 340 Plan	EVPP 395	Undergraduate Research in Environmental Science and Policy 1	
EVPP 42E Planetary Health EVPP 43P Principles of Environmental Toxicology EVPP 49Q Special Topics in Environmental Science and Policy EVPP 49Q Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 439 Herpetology Coology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 397 Conservation Medicine EVPP 427 Conservation Medicine EVPP 427 Conservation Medicine EVPP 429 Internship 2 BIOL 311 General Genetics BIOL 32E Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: PVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 395 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 2-1-25 In a topic relevant to wildlife. 21-25 In a topic relevant to botany. Retroactive Reequirements Updates:	EVPP 396	Directed Topic in Environmental Science and Policy 1	
EVPP 445 Principles of Environmental Toxicology EVPP 490 Special Topics in Environmental Science and Policy EVPP 494 Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: Choose from the following courses: EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Plant Ecology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 419	Marine Mammal Biology and Conservation	
EVPP 494 Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 447 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 335 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 395 Directed Topic in Environmental Science and Policy 3 EVPP 395 Directed Topic in Environmental Science and Policy 3 EVPP 395 Directed Topic in Environmental Science and Policy 3 BIOL 304 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 304 Plant Biology BIOL 304 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits In a topic relevant to wildlife. In a topic relevant to botany.	EVPP 428	Planetary Health	
EVPP 494 Internship 1 BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 395 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 331 Invertebrate Zoology BIOL 455 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course BOtany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 397 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. 2 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 445	Principles of Environmental Toxicology	
BIOL 437 Orinthology BIOL 438 Mammalogy BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 429 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits In a topic relevant to wildlife. In a topic relevant to botany.	EVPP 490	Special Topics in Environmental Science and Policy	
BIOL 438 Mammalogy BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 441 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 2 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Recuairements Updates:	EVPP 494	Internship 1	
BIOL 439 Herpetology Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Insect Biology BIOL 355 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Internship 3 BIOL 340 Plants and People (Mason Core) BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-25 I In a topic relevant to wildlife. In a topic relevant to zoology, In a topic relevant to botany.	BIOL 437	Orinthology	
Zoology Courses Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 395 Uprected Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 455 Marine Mammal Biology and Conservation BIOL 455 BOATH Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 395 EVPP 396 Uniternship 3 BIOL 140 Plants and People (Mason Core) BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 438	Mammalogy	
Choose one course from the following: EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 396 Directed Topic in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course BOtany Courses: Choose from the following courses: EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 439	Herpetology	
EVPP 395 Undergraduate Research in Environmental Science and Policy 2 EVPP 427 Conservation Medicine EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 455 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to botany.	Zoology Cours	es	
EVPP 492	Choose one co	ourse from the following:	3-4
EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 395	Undergraduate Research in Environmental Science and Policy 2	
EVPP 494 Internship 2 BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 1 In a topic relevant to wildlife. 2 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 396	Directed Topic in Environmental Science and Policy 2	
BIOL 311 General Genetics BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. Retroactive Requirements Updates:	EVPP 427	Conservation Medicine	
BIOL 326 Animal Physiology BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21 In a topic relevant to wildlife. 22 In a topic relevant to zoology. 33 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 494	Internship 2	
BIOL 331 Invertebrate Zoology BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21 In a topic relevant to wildlife. 22 In a topic relevant to zoology. 33 In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 311	General Genetics	
BIOL 332 Insect Biology BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: 9 EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21 In a topic relevant to wildlife. 22 In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 326	Animal Physiology	
BIOL 454 Marine Mammal Biology and Conservation BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to botany.	BIOL 331	Invertebrate Zoology	
BIOL 455 Marine Mammal Biology and Conservation Field Course Botany Courses Choose from the following courses: 9 EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core). BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 332	Insect Biology	
Botany Courses Choose from the following courses: EVPP 395	BIOL 454	Marine Mammal Biology and Conservation	
Choose from the following courses: EVPP 395	BIOL 455	Marine Mammal Biology and Conservation Field Course	
EVPP 395 Undergraduate Research in Environmental Science and Policy 3 EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	Botany Course	rs ·	
EVPP 396 Directed Topic in Environmental Science and Policy 3 EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core). BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to botany. Retroactive Requirements Updates:	Choose from t	he following courses:	9
EVPP 494 Internship 3 BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 395	Undergraduate Research in Environmental Science and Policy 3	
BIOL 140 Plants and People (Mason Core) BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 396	Directed Topic in Environmental Science and Policy 3	
BIOL 304 Plant Biology BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	EVPP 494	Internship 3	
BIOL 344 Plant Diversity and Evolution BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 In a topic relevant to wildlife. In a topic relevant to zoology. In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 140	Plants and People (Mason Core)	
BIOL 345 Plant Ecology INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 304	Plant Biology	
INTS 402 Plants and People - Sustenance, Ceremony, and Sustainability Total Credits 21-23 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 344	Plant Diversity and Evolution	
Total Credits 1 In a topic relevant to wildlife. 2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	BIOL 345	Plant Ecology	
 In a topic relevant to wildlife. In a topic relevant to zoology. In a topic relevant to botany. Retroactive Requirements Updates: 	<u>INTS 402</u>	Plants and People - Sustenance, Ceremony, and Sustainability	
2 In a topic relevant to zoology. 3 In a topic relevant to botany. Retroactive Requirements Updates:	Total Credits		21-23
In a topic relevant to botany. Retroactive Requirements Updates:	1 In a topi	c relevant to wildlife.	
Retroactive Requirements Updates:	2 In a topi	c relevant to zoology.	
Requirements Updates:	3 In a topi	c relevant to botany.	
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Honors Information:

Accelerated
Description/Dual
Degree
Description:

INTO-Mason Requirements:

College Requirements & Policies: 3/10/22, 8:04 AM

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 students are able

What is the

Face-to-Face Only

primary delivery format for the program?

Does any portion of this program occur off-campus?

Yes

Off-campus details: If students choose to take courses as a part of the Mason-Smithsonian semester.

Are you working with a vendor / other collaborators to offer your program?

No

Please explain:

Related

Departments

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

No

Please explain:

Are you adding or removing a licensure component?

No

Please explain:

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 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 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 no 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

What is the new method of delivery?

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 impact:

Will any additional faculty be required?

Nο

Description of institutional impact:

Will any additional financial resources be needed?

No

Description of institutional impact:

Additional library/learning resources needed?

No

Description of institutional impact:

OAPI Use Only – Determination of SACSCOC Impact

Comments or Notes

Green Leaf Program Designation

Is this a Green Leaf

program?

Yes

Green Leaf

Sustainability-focused designation

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 programs either require at least one sustainability-related course or else offer any green leaf course as an option or elective *

List sustainabilityrelated courses currently required

Does this program cover material which crosses into another department?

No

Impacted

Denartments

Additional <u>BS-Environmental-Science-Wildlife.pdf</u>

Attachments

SCHEV Proposal

Executive Summary

Reviewer Comments

Additional Comments

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

%wi_required.eschtml%

Attached

%attach document.eschtml%

Document

Key: 151