

# Program Change Request

Date Submitted: 02/28/23 1:02 pm

## Viewing: **LA-BA-EVSS : Environmental and Sustainability Studies, BA**

Last approved: 04/27/22 12:22 pm

Last edit: 02/28/23 1:02 pm

Changes proposed by: jbowen4

### Catalog Pages

#### Using this Program

[Environmental and Sustainability Studies, BA \(CHSS\)](#)

[Environmental and Sustainability Studies, BA \(COS\)](#)

### In Workflow

1. **ESP UG Committee**
2. **ESP Chair**
3. **LA Associate Dean**
4. **SC Curriculum Committee**
5. SC Associate Dean
6. SC CAT Editor
7. Assoc Provost- Undergraduate
8. Registrar:Concentrat Code
9. Registrar-Programs
10. Registrar-Degree Audit Programs

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

No

**Effective Catalog:** 2023-2024

**Program Level:** Undergraduate

**Program Type:** Bachelor's

**Degree Type:** Bachelor of Arts

#### Title:

Environmental and Sustainability Studies, BA

#### Banner Title:

Envrnmntl & Sustainab Stdes

#### 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

### Approval Path

1. 02/28/23 1:18 pm  
Younsung Kim (ykih): Approved for ESP UG Committee
2. 02/28/23 1:19 pm  
Larry Rockwood (lrockwoo): Approved for ESP Chair
3. 02/28/23 1:26 pm  
Jill Bowen (jbowen4): Approved for LA Associate Dean

### History

1. Dec 5, 2017 by clmig-jwehrheim

**Concentration(s):**

2. Dec 5, 2017 by clmig-jwehrheim
3. Mar 8, 2018 by Jill Bowen (jbowen4)
4. Mar 12, 2018 by Tory Sarro (vsarro)
5. Mar 12, 2018 by rzachari
6. Mar 15, 2018 by rzachari
7. Mar 7, 2019 by Jill Bowen (jbowen4)
8. Mar 24, 2020 by Jill Bowen (jbowen4)
9. Mar 31, 2020 by Tory Sarro (vsarro)
10. Sep 17, 2020 by Jill Bowen (jbowen4)
11. Feb 1, 2021 by Jennifer Bazaz Gettys (jbazaz)
12. Feb 9, 2022 by Jill Bowen (jbowen4)
13. Apr 4, 2022 by Jill Bowen (jbowen4)
14. Apr 27, 2022 by Jill Bowen (jbowen4)

|   | <b>Associated Concentrations</b>          | <b>Registrar's Office Use Only: Concentration Code</b> |
|---|---|--|
| 1 | Business and Sustainability               | BUSU   |
| 2 | Climate Change and Society                | CCSO   |
| 3 | Conservation and Sustainability           | CSUS   |
| 4 | Environmental Policy <b>and Economics</b> | EVPE   |
| 5 | Equity and Environmental Justice          | EQEJ   |
| 6 | Sustainable Food and Agriculture          | SFG  |

**Registrar/IRR Use  
Only –**

**Concentration CIP Code**

**College/School:** College of Humanities & Social Sciences

**Department / Academic Unit:** School of Integrative Studies

**Jointly Owned Program?** Yes

| Participating Colleges |                    |
|------------------------|--------------------|
|                        | College            |
| 1                      | College of Science |

| Participating Departments |                                |
|---------------------------|--------------------------------|
|                           | Department                     |
| 1                         | Environmental Science & Policy |

**Justification**

Add EVPP 381 as elective option to climate change & society, conservation & sustainability, and sustainable food & agriculture concentrations. Add EVPP 434 as elective option to equity & environmental justice concentration. Change title of environmental policy & economics to environmental policy to better reflect required coursework and attract more students.

**Additional Justification:**

**Total Credits Required:** Total credits: minimum 120

**Registrar's Office Use Only - Program Code:** LA-BA-EVSS

**Registrar/IRR Use Only – Program CIP Code** 30.3301 - Sustainability Studies.

**Admission Requirements:**

## Admissions

University-wide admissions policies can be found in the [Undergraduate Admissions Policies](#) section of this catalog. To apply for this program, please complete the [George Mason University Admissions Application](#).

**Program-Specific Policies:**

## Policies

Students pursuing this degree must complete a minimum of 60 credits within the major, with a minimum grade of 2.00 in each course.

For policies governing all undergraduate degrees, see [AP.5 Undergraduate Policies](#).

### Degree Requirements:

This is a Green Leaf program.

Students should be aware of the specific policies associated with this program, located on the [Admissions & Policies](#) tab.

Of the credits required for this degree, 14 credits simultaneously fulfill core requirements for the major and Mason Core requirements, and, depending on the concentration and electives chosen, up to 9 credits may simultaneously fulfill Mason Core requirements and college BA requirements.

## Core Courses in the Major

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Environmental Science and Society

[EVPP 377](#) Applied Ecology 3  
And completion of one of the following sequences: 11-12

[EVPP 108](#) Ecosphere - Introduction to Environmental Science I-Lecture ([Mason Core](#))  
& [EVPP 109](#) and Ecosphere- Introduction to Environmental Science I- Lab ([Mason Core](#))  
& [EVPP 112](#) and Ecosphere: Introduction to Environmental Science II-Lecture ([Mason Core](#))  
& [EVPP 113](#) and Ecosphere: Introduction to Environmental Science II-Lab ([Mason Core](#))  
& [EVPP 336](#) and Tackling Wicked Problems in Society the Environment

or

[EVPP 210](#) Environmental Biology: Molecules and Cells  
& [EVPP 301](#) and Environmental Science: Biological Diversity and Ecosystems  
& [EVPP 302](#) and Environmental Science: Biomes and Human Dimensions

Individual and Group Behavior

[INTS 334](#) Environmental Justice ([Mason Core](#)) 4

Business and Public Policy

Select one course from the following: 3

[ECON 100](#) Economics for the Citizen ([Mason Core](#))  
[ECON 103](#) Contemporary Microeconomic Principles ([Mason Core](#))  
[ECON 105](#) Environmental Economics for the Citizen ([Mason Core](#))

[EVPP 322](#) Business and Sustainability 3

[EVPP 361](#) Introduction to Environmental Policy 1 3

or [GOVT 361](#) Introduction to Environmental Policy

Statistics

Select one course from the following: 3-4

[SOVI 313](#) Statistics for the Behavioral Sciences ([Mason Core](#))  
[BIOL 214](#) Biostatistics for Biology Majors  
[STAT 250](#) Introductory Statistics I ([Mason Core](#))

Integration, Analysis, Innovation

|                                       |  |   |
|---------------------------------------|--|---|
| <a href="#">INTS 210</a>              | Sustainable World ( <a href="#">Mason Core</a> )   | 4 |
| <a href="#">EVPP 480</a>              | Sustainability in Action ( <a href="#">Mason Core</a> )                                    | 4 |
| Select one course from the following: |  | 3 |
| <a href="#">INTS 390</a>              | International Internship ( <a href="#">Mason Core</a> ) (minimum of 3 credits required)    |   |
| <a href="#">INTS 398</a>              | Experiential Learning (minimum of 3 credits required)                                      |   |
| <a href="#">INTS 498</a>              | Experiential Learning (minimum of 3 credits required)                                      |   |
| <a href="#">INTS 490</a>              | Internship (minimum of 3 credits required)   |   |
| <a href="#">EVPP 395</a>              | Undergraduate Research in Environmental Science and Policy (minimum of 3 credits required) |   |
| <a href="#">EVPP 494</a>              | Internship (minimum of 3 credits required)   |   |

Total Credits

41-43

1 Satisfies the college BA requirement for social and behavioral science.

## Concentration in the Major

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### Available Concentrations

- [Concentration in Business and Sustainability \(BUSU\)](#).
- [Concentration in Climate Change and Society \(CCSO\)](#).
- [Concentration in Conservation and Sustainability \(CSUS\)](#).
- [Concentration in Environmental Policy and Economics \(EVPE\)](#).
- [Concentration in Equity and Environmental Justice \(EQEJ\)](#).
- [Concentration in Sustainable Food and Agriculture \(SFG\)](#).

### Concentration in Business and Sustainability (BUSU)

The requirements for this concentration, depending on the electives chosen, may satisfy the college BA requirement in philosophy and religious studies ([PHIL 243](#) Global Environmental Ethics ([Mason Core](#)), [PHIL 305](#) Business Ethics). Students who have already taken and received credit for [OSCM 303](#) Operations Management shall substitute it for [MBUS 306](#) Managing Projects and Operations. Both courses cannot be taken for credit. Students who have taken and received credit for both [ACCT 203](#) Survey of Accounting and [FNAN 303](#) Financial Management shall substitute the combination for [MBUS 300](#) Accounting in a Global Economy. All three courses cannot be taken for credit.

### Core Courses

#### Required Courses

|                          |                                  |   |
|--------------------------|----------------------------------|---|
| <a href="#">MBUS 300</a> | Accounting in a Global Economy   | 3 |
| <a href="#">MBUS 306</a> | Managing Projects and Operations | 3 |
| <a href="#">MGMT 303</a> | Principles of Management         | 3 |

#### Additional Course

|   |  |   |
|---|--|---|
| Select one course (3 credits) from the following: |  | 3 |
| <a href="#">GOVT 353</a>                          | <a href="#">Course GOVT 353 Not Found</a>                |   |
| <a href="#">EVPP 434</a>                          | Food-Energy-Water-Climate Nexus                          |   |
| <a href="#">INTS 375</a>                          | Special Topics (when topic is relevant with approval)    |   |
| <a href="#">INTS 450</a>                          | Social Innovation in Action                              |   |
| <a href="#">INTS 475</a>                          | Special Topics (when topic is relevant with approval)    |   |
| <a href="#">MBUS 304</a>                          | Entrepreneurship: Starting and Managing a New Enterprise |   |
| <a href="#">MGMT 451</a>                          | Introduction to Entrepreneurship                         |   |

[EVPP 490](#) Special Topics in Environmental Science and Policy (when topic is relevant with approval)

[EVPP 505](#) Selected Topics in Environmental Science (when topic is relevant with approval)

Total Credits 12

### Two Courses

Select two courses (6 credits) from the following: 6

[ECON 335](#) Environmental Economics

[EVPP 338](#) Economics of Environmental Policy

[EVPP 362](#) Intermediate Environmental Policy

[GGS 307](#) Geographic Approaches for Sustainable Development

[INTS 204](#) Leadership Theory and Practice

[PHIL 243](#) Global Environmental Ethics ([Mason Core](#))

[PHIL 305](#) Business Ethics

Other course work with advisor approval

Total Credits 6

### Concentration in Climate Change and Society (CCSO)

The requirements for this concentration, depending on the electives chosen, may satisfy the college BA requirement in philosophy and religious studies ([PHIL 243](#) Global Environmental Ethics ([Mason Core](#)), [PHIL 343](#) Topics in Environmental Philosophy ([Mason Core](#))).

#### Required Courses

[CLIM 101](#) Global Warming: Weather, Climate, and Society ([Mason Core](#)) 3-4

or [GGS 121](#) Dynamic Atmosphere and Hydrosphere ([Mason Core](#))

[EVPP 432](#) Energy Policy 3

[EVPP 436](#) Politics of Climate Change Governance 3

Total Credits 9-10

### Three Courses

Select three courses (9 credits) from the following: 9

[ANTH 394](#) Archaeology of Climate Change

[CLIM 102](#) Introduction to Global Climate Change Science ([Mason Core](#))

[CLIM 314](#) Severe and Extreme Weather

[CLIM 319](#) Air Pollution

[EVPP 362](#) Intermediate Environmental Policy

[EVPP 378](#) RS: Ecological Sustainability ([Mason Core](#))

[EVPP 381](#) **Nature and Culture in Global Wetlands ([Mason Core](#))**

[EVPP 434](#) Food-Energy-Water-Climate Nexus

[EVPP 442](#) Urban Ecosystems and Processes

[EVPP 490](#) Special Topics in Environmental Science and Policy (when topic is relevant with approval)

[EVPP 505](#) Selected Topics in Environmental Science (when topic is relevant with approval)

[GGS 302](#) Global Environmental Hazards

[GGS 304](#) Population Geography ([Mason Core](#))

[GGS 306](#) Urban Geography

[GGS 309](#) Introduction to Weather and Climate

- [GGS 312](#) Physical Climatology
- [GGS 314](#) Severe and Extreme Weather
- [INTS 375](#) Special Topics (when topic is relevant with approval)
- [INTS 475](#) Special Topics (when topic is relevant with approval)
- [PHIL 243](#) Global Environmental Ethics ([Mason Core](#)), 1
- [PHIL 343](#) Topics in Environmental Philosophy ([Mason Core](#)), 1

Other course work with advisor approval

Total Credits

9

1 Satisfies the college BA requirement in philosophy and religious studies.

### Concentration in Conservation and Sustainability (CSUS)

#### Smithsonian-Mason Program

Students complete one of the programs offered through the Smithsonian-Mason School of Conservation in cooperation with the Smithsonian Conservation Biology Institute.

#### Conservation, Biodiversity and Society Option (16 credits)

- |                          |   |   |
|--------------------------|---|---|
| <a href="#">CONS 320</a> | Conservation in Practice  | 3 |
| <a href="#">CONS 401</a> | Conservation Theory   | 3 |
| <a href="#">CONS 402</a> | Applied Conservation  | 4 |
| <a href="#">CONS 410</a> | Human Dimensions in Conservation ( <a href="#">Mason Core</a> )       | 3 |
| <a href="#">CONS 490</a> | RS: Integrated Conservation Strategies ( <a href="#">Mason Core</a> ) | 3 |

Total Credits

16

#### Wildlife, Ecology, and Conservation Option (16 credits)

Offered only in Fall semesters, students complete four required courses:

- |                          |   |   |
|--------------------------|---|---|
| <a href="#">CONS 400</a> | Conservation Seminar                                    | 2 |
| <a href="#">CONS 404</a> | Biodiversity Monitoring                                 | 4 |
| <a href="#">CONS 405</a> | Landscape and Macrosystems Ecology                      | 4 |
| <a href="#">CONS 496</a> | Research in Conservation ( <a href="#">Mason Core</a> ) | 6 |

Total Credits

16

#### Endangered Species and Conservation Option (16 credits)

Offered only in Spring semesters, students complete four required courses:

- |                          |   |   |
|--------------------------|---|---|
| <a href="#">CONS 400</a> | Conservation Seminar  | 2 |
| <a href="#">CONS 406</a> | Small Population Management   | 4 |
| <a href="#">CONS 491</a> | RS: Conservation Management Planning ( <a href="#">Mason Core</a> ) | 4 |
| <a href="#">CONS 496</a> | Research in Conservation ( <a href="#">Mason Core</a> )             | 6 |

Total Credits

16

#### Three Credits

Select a minimum of three credits from the following:

3

- [BIOL 332](#) Insect Biology (when topic is relevant with approval)
- [BIOL 472](#) Introductory Animal Behavior
- [EVPP 337](#) Environmental Policy Making in Developing Countries
- [EVPP/BIOL 350](#) Freshwater Ecosystems
- [EVPP 355](#) Ecological Engineering and Ecosystem Restoration

|                         |   |
|-------------------------|---|
| <b><u>EVPP 381</u></b>  | <b>Nature and Culture in Global Wetlands (Mason Core)</b>                                 |
| <u>EVPP 401</u>         | Integrated Environmental Assessment   |
| <u>EVPP 408</u>         | Mushrooms, Molds and Society  |
| <u>EVPP 419</u>         | Marine Mammal Biology and Conservation  |
| <u>EVPP 421</u>         | Marine Conservation   |
| <u>EVPP 423</u>         | Beekeeping and Sustainability   |
| <u>EVPP/BIOL 427</u>    | Conservation Medicine   |
| <u>EVPP 430</u>         | Fundamentals of Environmental Geographic Information Systems                              |
| <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/BIOL 437</u>    | Ornithology   |
| <u>EVPP/BIOL 438</u>    | Mammalogy   |
| <u>EVPP/BIOL 439</u>    | Herpetology   |
| <u>EVPP/BIOL 449</u>    | Marine Ecology  |
| <u>EVPP 451</u>         | Fungi and Ecosystems  |
| <u>EVPP 460</u>         | Infectious Diseases of Wildlife   |
| <u>EVPP 475</u>         | Global Biodiversity Governance  |
| <u>GGs 303</u>          | Geography of Resource Conservation (Mason Core)   |
| <u>GGs 307</u>          | Geographic Approaches for Sustainable Development   |
| <u>GGs 321/BIOL 374</u> | Biogeography  |
| <u>INTS 211</u>         | Introduction to Conservation Studies (Mason Core)   |
| <u>INTS 301</u>         | Science in the News (Mason Core)  |
| <u>INTS 304</u>         | Social Movements and Community Activism (Mason Core)                                      |
| <u>INTS 311</u>         | The Mysteries of Migration: Consequences for Conservation (Mason Core)                    |
| <u>INTS 331</u>         | The Nonprofit Sector (Mason Core)   |
| <u>INTS 370</u>         | Sustainable Food Systems  |
| <u>INTS 371</u>         | Food Systems and Policy (Mason Core)  |
| <u>INTS 401</u>         | Conservation Biology (Mason Core)   |
| <u>INTS 403</u>         | Conservation Behavior (Mason Core)  |
| <u>INTS 375</u>         | Special Topics (when topic is relevant with approval)                                     |
| <u>INTS 475</u>         | Special Topics (when topic is relevant with approval)                                     |
| <u>EVPP 490</u>         | Special Topics in Environmental Science and Policy (when topic is relevant with approval) |
| <u>EVPP 505</u>         | Selected Topics in Environmental Science (when topic is relevant with approval)           |

Other course work with advisor approval

Total Credits

3

### Concentration in Environmental Policy and Economics (EVPE)

The requirements for this concentration satisfy the Mason Core requirement in social and behavioral science (ECON 104 Contemporary Macroeconomic Principles (Mason Core)) and, depending on the elective chosen, may fulfill the college BA requirement in non-Western culture (ECON 362 African Economic Development (Mason Core)).

### Required Courses

Completion of these courses will satisfy the Mason Core social and behavioral science requirement.

|                             |  |   |
|-----------------------------|--|---|
| <a href="#">EVPP 338</a>    | Economics of Environmental Policy      | 3 |
| <a href="#">EVPP 362</a>    | Intermediate Environmental Policy      | 3 |
| or <a href="#">GOVT 362</a> | Intermediate Environmental Policy      |   |
| <a href="#">GOVT 351</a>    | Administration in the Political System | 3 |
| Total Credits               |  | 9 |
| <b>Nine Credits</b>         |  |   |

Select a minimum of nine credits from the following: 9

- [ANTH 370](#) Environment and Culture
  - [COMM 412](#) Politics and the Mass Media
  - [CONF 340](#) Global Conflict Analysis and Resolution ([Mason Core](#))
  - [ECON 103](#) Contemporary Microeconomic Principles ([Mason Core](#)) (if not used to meet the Business and Public Policy core requirement)
  - [ECON 104](#) Contemporary Macroeconomic Principles ([Mason Core](#))
  - [ECON 306](#) Intermediate Microeconomics
  - [ECON 311](#) Intermediate Macroeconomics
  - [ECON 330](#) Public Finance
  - [ECON 345](#) Introduction to Econometrics
  - [ECON 360](#) Economics of Developing Areas ([Mason Core](#))
  - [ECON 412](#) Game Theory and Economics of Institutions
  - [EVPP 337](#) Environmental Policy Making in Developing Countries
  - [EVPP 396](#) Directed Topic in Environmental Science and Policy
  - [EVPP 401](#) Integrated Environmental Assessment
  - [EVPP 432](#) Energy Policy
  - [GEOL 420](#) Earth Science and Policy ([Mason Core](#))
  - [GGS 305](#) Economic Geography
  - [GGS 307](#) Geographic Approaches for Sustainable Development
  - [GOVT 307](#) Legislative Behavior
  - [GOVT 343](#) International Political Economy
  - [GOVT 357](#) Urban Planning
  - [GOVT 364](#) Public Policy Making
  - [GOVT 452](#) Administrative Law and Procedures
  - [GOVT 464](#) Issues in Public Policy and Administration
  - [INTS 331](#) The Nonprofit Sector ([Mason Core](#))
  - [INTS 371](#) Food Systems and Policy ([Mason Core](#))
  - [USST 301](#) Course USST 301 Not Found
  - [EVPP 490](#) Special Topics in Environmental Science and Policy (when topic is relevant with approval)
  - [EVPP 505](#) Selected Topics in Environmental Science (when topic is relevant with approval)
  - [INTS 375](#) Special Topics (when topic is relevant with approval)
  - [INTS 475](#) Special Topics (when topic is relevant with approval)
- Other course work with advisor approval

Total Credits 9

## Concentration in Equity and Environmental Justice (EQEJ)

### Required Courses

|                          |   |   |
|--------------------------|---|---|
| <a href="#">EVPP 362</a> | Intermediate Environmental Policy                                       | 3 |
| <a href="#">EVPP 436</a> | Politics of Climate Change Governance                                   | 3 |
| <a href="#">INTS 336</a> | Poverty, Wealth and Inequality in the US ( <a href="#">Mason Core</a> ) | 3 |
| <a href="#">INTS 337</a> | Social Justice Consciousness and Action                                 | 3 |

Total Credits 12

### Six Credits

Select a minimum of six credits from the following: 6

- [ANTH 370](#) Environment and Culture
- [CONF 394](#) Human Rights and Inequality
- [EVPP 434](#) **Food-Energy-Water-Climate Nexus**
- [GGS 304](#) Population Geography ([Mason Core](#))
- [GGS 307](#) Geographic Approaches for Sustainable Development
- [GOVT 445](#) Human Rights
- [INTS 304](#) Social Movements and Community Activism ([Mason Core](#))
- [INTS 331](#) The Nonprofit Sector ([Mason Core](#))
- [INTS 362](#) Social Justice and Human Rights ([Mason Core](#))
- [INTS 402](#) Plants and People - Sustenance, Ceremony, and Sustainability
- [INTS 450](#) Social Innovation in Action
- [SOCI 320](#) Globalization and Social Change ([Mason Core](#))
- [SOCI 355](#) Social Inequality ([Mason Core](#))
- [INTS 375](#) Special Topics (when topic is relevant with approval)
- [INTS 475](#) Special Topics (when topic is relevant with approval)
- [EVPP 490](#) Special Topics in Environmental Science and Policy (when topic is relevant with approval)
- [EVPP 505](#) Selected Topics in Environmental Science (when topic is relevant with approval)

Other course work with advisor approval

Total Credits 6

## Concentration in Sustainable Food and Agriculture (SFG)

### Required Courses

|                          |  |   |
|--------------------------|--|---|
| <a href="#">INTS 370</a> | Sustainable Food Systems                               | 6 |
| <a href="#">INTS 371</a> | Food Systems and Policy ( <a href="#">Mason Core</a> ) | 3 |
| <a href="#">INTS 470</a> | Professional Pathways in Sustainable Food Systems      | 1 |

Total Credits 10

### Eight Credits

Select a minimum of eight credits from the following: 8

- [ANTH 366](#) Food and Human Evolution
- [ANTH 376](#) Food and Culture
- [BIOL 344](#) Plant Diversity and Evolution
- [BIOL 345](#) Plant Ecology

**EVPP 381 Nature and Culture in Global Wetlands (Mason Core)****EVPP 423** Beekeeping and Sustainability**EVPP 434** Food-Energy-Water-Climate Nexus**EVPP 436** Politics of Climate Change Governance**GGG 303** Geography of Resource Conservation (Mason Core)**INTS 331** The Nonprofit Sector (Mason Core)**INTS 402** Plants and People - Sustenance, Ceremony, and Sustainability**NUTR 295** Introduction to Nutrition (Mason Core)**NUTR 318** Global Nutrition and Food Security**NUTR 383** Taste and Place**NUTR 408** Food Security**NUTR 421** Community Nutrition**NUTR 435** Urban Agriculture**INTS 375** Special Topics (when topic is relevant with approval)**INTS 475** Special Topics (when topic is relevant with approval)**EVPP 490** Special Topics in Environmental Science and Policy (when topic is relevant with approval)**EVPP 505** Selected Topics in Environmental Science (when topic is relevant with approval)

Other course work with advisor approval

Total Credits

8

## Writing-Intensive Requirement

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The university requires all students to complete at least one course designated as "writing intensive" in their major at the 300 level or above. Students majoring in environmental and sustainability studies should consult an advisor to learn how to fulfill this requirement.

## Upper Level Requirement

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Students seeking a bachelor's degree must apply at least 45 credits of upper-level courses (numbered 300 or above) toward graduation requirements.

## Additional Electives

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Any remaining credits may be completed with elective courses to bring the degree total to 120.

**Retroactive  
Requirements  
Updates:**

**Plan of Study:**

**Honors  
Information:**

**Program Outcomes**

- **Individual and Group Behavior (people):** critically assess the part individuals and communities have played in creating environmental challenges, the diversity of ethical and social justice issues raised by human interactions

with the environment, and understand how individuals and communities can use these ethical insights as a foundation to devise and implement solutions to address these problems;

- **Business and Public Policy (prosperity):** analytically consider how political institutions, markets and businesses have interacted with the environment, and the pivotal role they have in developing solutions that address environmental concerns;
- **Environmental Science and Society (planet):** identify the components and interactions that make up the ecosystem, and how this system responds to natural and human interactions;
- **Integration and Analysis:** integrate and apply the knowledge of the three aspects of environmental and sustainability studies to practical applications within the community and to critically assess and devise plans that address the social factors related to natural resource use;
- **Written and Oral Communication:** communicate effectively in a written format and apply appropriate rhetorical standards (e.g., audience adaptation, language, argument, organization, evidence, etc.). Students will also communicate effectively in an oral format, applying appropriate rhetorical standards (e.g., audience adaptation, language, argument, organization, evidence, etc.).
- **Innovation:** contribute to the global movement towards realizing a more healthy, just and sustainable society;
- **Concentrated Expertise:** create in-depth knowledge in one of six concentration areas related to environmental and sustainability studies.

## Additional Program Information

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

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

**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

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**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

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## Comments or Notes

## Green Leaf Program Designation

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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:**

**Does this program cover material which crosses into another department?**

No

**Additional Attachments** [BAEnvSusStudies\[1\].pdf](#)  
[BAEnvSusStudies.pdf](#)

**SCHEV Proposal Executive Summary**

**Reviewer Comments**

**Additional Comments**

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

%wi\_required.eshtml%