BACHELOR OF ARTS WITH A MAJOR IN ENVIRONMENTAL STUDIES

The Environmental Studies program at GW is a multidisciplinary, science-based degree program that focuses on interactions between people and their natural and built environments. Students in the program explore sustainability issues through the social sciences, humanities, and physical and life sciences. They learn to analyze broad-based environmental and development policy, both domestically and internationally.

Environmental Studies is a platform for student engagement on many levels. For example, they may gain experience outside the classroom through internship experiences with organizations such as the National Park Service, National Geographic, and the Environmental Protection Agency. Students also are exposed to service opportunities in the Washington, DC, area through government agencies and environmental organizations and can participate in campus organizations such as Green GW (https://www.facebook.com/TheGreenGW/) and the Food Justice Alliance (http://gwoffoodjustice.blogspot.com/p/about.html). Many program alumni go on to graduate school and to careers as educators, managers, public officials, and lawyers.

Visit the program website (https://geography.columbian.gwu.edu/ba-environmental-studies/) for additional information.

ADMISSIONS

For more information on the admission process, please visit the Office of Undergraduate Admissions website. Applications may be submitted via the Common Application.

Supporting documents not submitted online should be mailed to:
Office of Undergraduate Admissions
The George Washington University
800 21st Street NW, Suite 100
Washington DC 20052

Contact for questions: gwadm@gwu.edu or 202-994-6040

REQUIREMENTS

The following requirements must be fulfilled:

The general requirements stated under Columbian College of Arts and Sciences, Undergraduate Programs (http://bulletin.gwu.edu/arts-sciences/#degreeregulationtext).

Program-specific curriculum:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td>Foundational courses</td>
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<tr>
<td>BISC 1006</td>
<td>The Ecology and Evolution of Organisms</td>
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<tr>
<td>or BISC 1112</td>
<td>Introductory Biology: The Biology of Organisms</td>
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<tr>
<td>GEOG 1002</td>
<td>Introduction to Physical Geography</td>
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<td>GEOG 1003</td>
<td>Society and Environment</td>
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<tr>
<td>GEOG 2104</td>
<td>Introduction to Cartography and GIS</td>
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<tr>
<td>STAT 1053</td>
<td>Introduction to Statistics in Social Science</td>
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<tr>
<td>or STAT 1051</td>
<td>Introduction to Business and Economic Statistics</td>
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<tr>
<td>or STAT 1111</td>
<td>Business and Economic Statistics</td>
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<tr>
<td>or STAT 1127</td>
<td>Statistics for the Biological Sciences</td>
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<tr>
<td></td>
<td>Requirements for the major</td>
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<tr>
<td>GEOG 2196</td>
<td>Field Methods in Geography (or equivalent)</td>
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<tr>
<td>ENVR 4195</td>
<td>Environmental Studies Capstone *</td>
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<tr>
<td>Four of the following science courses:</td>
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<tr>
<td>ANTH 3407</td>
<td>Conservation in a Changing World: Human and Animal Behavior</td>
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<td>BISC 2010</td>
<td>Global Change Biology</td>
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<tr>
<td>BISC 2401</td>
<td>Biodiversity in A Changing World</td>
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<tr>
<td>BISC 2452</td>
<td>Animal Behavior</td>
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<td>BISC 2454</td>
<td>General Ecology</td>
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<td>BISC 3454</td>
<td>Marine Ecology</td>
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<tr>
<td>BISC 3458</td>
<td>Plant Comparative Structure and Function</td>
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<tr>
<td>BISC 3459</td>
<td>Field Biology **</td>
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<tr>
<td>BISC 3460</td>
<td>Conservation Biology</td>
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<tr>
<td>or BISC 3460W</td>
<td>Conservation Biology</td>
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<tr>
<td>BISC 3461</td>
<td>Plant-Animal Interactions</td>
<td></td>
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<tr>
<td>BISC 3464</td>
<td>Ecology and Evolution of Societies</td>
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</table>
Bachelor of Arts with a Major in Environmental Studies

CHEM 2085 Environmental Chemistry
GEOG 2129 Biogeography
or GEOG 2129W Biogeography
GEOG 2136 Water Resources
GEOG 3108 Weather and Climate
GEOG 3128 Geomorphology and Natural Hazards
GEOG 3218 Arctic Systems
GEOL 2106 Oceanography
GEOL 2151 Introduction to Paleontology
GEOL 3128 Sedimentology and Stratigraphy
GEOL 3138 Hydrogeology
GEOL 3191 Geology of Energy Resources

Three of the following society courses:

ANTH 3407 Conservation in a Changing World: Human and Animal Behavior
ANTH 3502 Cultural Ecology
ECON 2136 Environmental and Natural Resource Economics
GEOG 2124 Urban Transportation
GEOG 2125 Transportation Systems and Networks
GEOG 2127 Population Geography
GEOG 2133 People, Land, and Food
GEOG 2134 Energy Resources
or GEOG 2134W Energy Resources
GEOG 2137 Environmental Hazards
GEOG 2140 Cities and Societies
GEOG 2141 Cities in the Developing World
GEOG 3132 Environmental Quality and Management
GEOG 3143 Urban Sustainability
or GEOG 3143W Urban Sustainability
GEOL 3810 Planning Cities
HIST 3001 Special Topics (an environmental topic)

PHIL 2281 Philosophy of the Environment
PPPA 2701 Sustainability and Environmental Policy
PUBH 3132 Health and Environment
PUBH 3150 Sustainable Energy and Environmental Health
SUST 2002 The Sustainable City

**Electives**

Two additional upper-level courses selected from the science and society course lists, above.

* Offered in the fall semester only.
** May count as either a science requirement or the field method requirement, but not both.

**GENERAL EDUCATION**

In addition to the University General Education Requirement (http://bulletin.gwu.edu/university-regulations/general-education/#text), undergraduate students in Columbian College must complete a further, College-specific general education curriculum—Perspective, Analysis, Communication, or G-PAC (http://bulletin.gwu.edu/arts-sciences/gpac/). Together with the University General Education Requirement, G-PAC engages students in active intellectual inquiry across the liberal arts. Students achieve a set of learning outcomes that enhance their analytical skills, develop their communication competencies, and invite them to participate as responsible citizens who are attentive to issues of culture, diversity, and privilege.

G-PAC approved courses, Dean’s Seminars, and Sophomore Colloquia that may be available for registration are listed on the CCAS Advising website (https://advising.columbian.gwu.edu/general-education-courses/).

Coursework for the University General Education Requirement is distributed as follows:

- Writing—one approved course in university writing and two approved writing in the disciplines (WID) courses.
- Humanities—one approved course in the humanities that involves critical or creative thinking skills.
- Mathematics or Statistics—one approved course in either mathematics or statistics.
- Natural or Physical Science—one approved laboratory course that employs the process of scientific inquiry.
- Social Sciences—two approved courses in the social sciences.

Coursework for the Columbian College general education curriculum is distributed as follows:
• Arts—one approved course in the arts that involves the study or creation of artwork based on an understanding or interpretation of artistic traditions or knowledge of art in a contemporary context.
• Global or Cross-Cultural Perspective—one approved course that analyzes the ways in which institutions, practices, and problems transcend national and regional boundaries.
• Humanities—one approved course in the humanities that involves critical thinking skills (in addition to the one course in this category required by the University General Education Requirement).
• Local or Civic Engagement—one approved course that develops the values, ethics, disciplines, and commitment to pursue responsible public action.
• Natural or Physical Science—one approved laboratory course that employs the process of scientific inquiry (in addition to the one course in this category required by the University General Education Requirement).
• Oral Communication—one course in oral communication.

Certain courses are approved to fulfill the requirement in more than one of these categories.

Courses taken in fulfillment of G-PAC also may be counted toward majors or minors. Transfer courses taken prior to, but not after, admission to George Washington University may count toward the University General Education Requirement and G-PAC, if those transfer courses are equivalent to GW courses that have been approved by the University and the College.

COMBINED PROGRAM
• Dual Bachelor of Arts with a major in environmental studies and Master of Arts in the field of environmental resource policy (http://bulletin.gwu.edu/arts-sciences/environmental-studies/combined-ba-ma-environmental-resource-policy/)