BACHELOR OF ARTS WITH A MAJOR IN ENVIRONMENTAL STUDIES

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/#degreeRegulationsText).

Program-specific curriculum:

<table>
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<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td></td>
<td><strong>Foundational courses</strong></td>
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<tr>
<td>BISC 1006</td>
<td>The Ecology and Evolution of Organisms</td>
<td></td>
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<tr>
<td>or</td>
<td>BISC 1116 &amp; BISC 1126 Introductory Biology: The Biology of Organisms and Introduction to Organisms Laboratory</td>
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<tr>
<td>GEOG 1002</td>
<td>Introduction to Physical Geography</td>
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<tr>
<td>or GEOL 1005</td>
<td>Environmental Geology</td>
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<td>GEOG 1003</td>
<td>Society and Environment</td>
<td></td>
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<tr>
<td>GEOG 2104</td>
<td>Introduction to Cartography and GIS</td>
<td></td>
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<tr>
<td>STAT 1053</td>
<td>Introduction to Statistics in Social Science</td>
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<td></td>
<td><strong>Requirements for the major</strong></td>
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<tr>
<td>GEOG 2196</td>
<td>Field Methods in Geography (or equivalent)</td>
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Three of the following science courses:

- BISC 2305 Plant Biology
- BISC 2459
- BISC 2467
- BISC 3325
- BISC 3454 Marine Ecology
- BISC 3461 Plant-Animal Interactions
- BISC 3464 Ecology and Evolution of Societies

- CHEM 3140 Geochemistry
- GEOL 2151 Introduction to Paleontology
- GEOL 3138 Hydrogeology
- GEOL 3191 Geology of Energy Resources
- BISC 2454 General Ecology
- BISC 3460 Conservation Biology
- BISC 3459 Field Biology*
- CHEM 2085 Environmental Chemistry
- GEOG 2108 Weather and Climate
- GEOG 2128 Geomorphology*
- GEOG 2136 Water Resources
- GEOL 2106 Oceanography

Three of the following society courses:

- ANTH 3502 Cultural Ecology
- GEOG 2127 Population Geography
- GEOG 2137 Environmental Hazards
- IAD 3410
- PHIL 2281 Philosophy of the Environment
- PUBH 2114 Environment, Health, and Development
- PUBH 3132 Health and Environment
- PUBH 3150 Sustainable Energy and Environmental Health
- SUST 2002 The Sustainable City
- ECON 2136 Environmental and Natural Resource Economics
- GEOG 2133 People, Land, and Food
- GEOG 2134 Energy Resources
- GEOG 3143 Urban Sustainability
- GEOG 3132 Environmental Quality and Management
- GEOL 3193
- HIST 3001 Special Topics (an environmental topic)
**Electives**

Two additional upper-level courses chosen from the Science and Society course lists

* May also count toward field methods requirement.

**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. 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.