BACHELOR OF ARTS WITH A MAJOR IN GEOGRAPHY

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/#degree regulationstext).

36 credits, including 10 credits in required courses and 26 credits selected from among four groups.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 1001</td>
<td>Introduction to Human Geography</td>
<td></td>
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<tr>
<td>GEOG 1002</td>
<td>Introduction to Physical Geography</td>
<td></td>
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<tr>
<td>GEOG 4195</td>
<td>Proseminar in Geographic Thought</td>
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A minimum of two courses from each of the following groups:

**Group A (Physical/Environmental/Resources)**

- GEOG 1003  | Society and Environment             |
- GEOG 2108  | Weather and Climate                 |
- GEOG 2110  | Climate and Human Ecology           |
- GEOG 2128  | Geomorphology                       |
- GEOG 2129  | Biogeography                        |
- GEOG 2134  | Energy Resources                    |
- GEOG 2136  | Water Resources                     |
- GEOG 2137  | Environmental Hazards               |
- GEOG 3132  | Environmental Quality and Management|
- GEOG 3143  | Urban Sustainability                |
- GEOG 3194  | Special Topics in Physical Geography|
- GEOG 3218  | Arctic Systems                      |

**Group B (Human)**

- GEOG 2124  | Urban Transportation                |
- GEOG 2125  | Transportation Systems and Networks |
- GEOG 2127  | Population Geography                |
- GEOG 2133  | People, Land, and Food              |
- GEOG 2140  | Cities and Societies                |
- GEOG 2141  | Cities in the Developing World      |
- GEOG 2144  | Explorations in Historical Geography|
- GEOG 2145  | Cultural Geography                  |
- GEOG 2146  | Political Geography                 |
- GEOG 2147  | Military Geography                  |
- GEOG 2148  | Economic Geography                  |
- GEOG 3143  | Urban Sustainability                |
- GEOG 3195  | Special Topics in Human Geography   |
- GEOG 3810  | Planning Cities                     |

**Group C (Techniques)**

- GEOG 2104  | Introduction to Cartography and GIS |
- GEOG 2105  | Techniques of Spatial Analysis      |
- GEOG 2107  | Introduction to Remote Sensing      |
- GEOG 2196  | Field Methods in Geography          |
- GEOG 3106  | Intermediate Geographic Information Systems |
- GEOG 3196  | Special Topics in Techniques        |
- GEOG 4307  | Digital Image Processing and Analysis|
- GEOG 4308  | Programming for Geospatial Applications|
- GEOG 4309  | GIS for Emergency Management        |
- GEOG 4310  | Geovisualization and Cartography     |
- GEOG 4311  | Open Source Solutions for Geospatial Project Management |

At least one course from Group D (Regional):

- GEOG 2120  | World Regional Geography            |
- GEOG 3154  | Geography of the Middle East and North Africa |
- GEOG 3161  | Geography of Latin America          |
- GEOG 3164  | The Geography of Africa             |
- GEOG 3165  | Geography of South Asia             |
- GEOG 3197  | Special Topics in Regional Geography|
GENERAL EDUCATION

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

In addition to the University General Education Requirement, 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.

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.

SPECIAL HONORS

In addition to the general requirements stated under University Regulations, in order to be considered for graduation with Special Honors, students must have a minimum grade-point average of 3.75 in geography courses and a 3.5 average overall.

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.

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

Bachelor of Arts with a Major in Geography

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