## BACHELOR OF ARTS WITH A MAJOR IN GEOGRAPHY

Far beyond identifying places on maps, geography asks questions about how climate change creates new trade routes and conflicts, how people migrate and create urban change, and how the internet brings people closer together. Using the latest methods in geographic analysis and communication, George Washington University geography students learn the theoretical and applied aspects of contemporary and historical geography. With a flexible, interdisciplinary academic program, students can hone their coursework to their own interests and pursue fieldwork around the globe. Our faculty members are committed to excellence in teaching in both the field-by having our students take advantage of internships, which includes a special program with the National Geographic Society-and the classroom. Students are prepared for a wide variety of professions such as environmental manager, forestry technician, GIS specialist, cartographer, urban planner, health services planner, and more.

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

## ADMISSIONS

For information about the admission process, including deadlines, visit the Office of Undergraduate Admissions website (https:// undergraduate.admissions.gwu.edu/). Applications can be submitted via the Common Application (https://go.gwu.edu/ commonapp/).

Supporting documents not submitted online should be mailed to:

## Office of Undergraduate Admissions

The George Washington University
800 21st St NW Suite 100
Washington, DC 20052
For questions visit undergraduate.admissions.gwu.edu/contact-us (http://undergraduate.admissions.gwu.edu/contact-us/).

## REQUIREMENTS

The following requirements must be fulfilled:
The general requirements stated under Columbian College of Arts and Sciences, Undergraduate Programs (https://bulletin.gwu.edu/ arts-sciences/\#degreeregulationstext).

For the major, 37 credits, including 16 credits in required courses, 18 credits in courses taken from among three subject groups, and one 3-credit elective course.

| Code | Title | Credits |
| :--- | :--- | :--- |
| Required |  |  |
| GEOG 1001 | Introduction to Human Geography |  |


| GEOG 1002 | Introduction to Physical Geography |
| :--- | :--- |
| GEOG 2104 | Introduction to Cartography and GIS |
| GEOG 3106 | Intermediate Geographic Information <br> Systems |
| GEOG 4195 | Proseminar in Geographic Thought * |

Group A: Physical Geography
At least two courses from the following, one of which must be taken at the 3000 level.

| GEOG 2129 | Biogeography |
| :---: | :---: |
| GEOG 2134 | Energy Resources |
| GEOG 2136 | Water Resources |
| GEOG 2137 | Environmental Hazards |
| GEOG 3108 | Weather and Climate |
| GEOG 3128 | Geomorphology and Natural Hazards |
| GEOG 3194 | Special Topics in Physical Geography |
| Group B: Hu | graphy |
| At least two taken at the | m the following, one of which must be I. |
| 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 2147 | Military Geography |
| GEOG 2148 | Economic Geography |
| GEOG 3145 | Cultural Geography |
| GEOG 3146 | Political Geography |
| GEOG 3195 | Special Topics in Human Geography |
| GEOG 3810 | Planning Cities |
| Group C: Techniques ** |  |
| GEOG 2196 | Field Methods in Geography |
| GEOG 3105 | Techniques of Spatial Analysis |


| GEOG 3107 | Introduction to Remote Sensing |
| :--- | :--- |
| GEOG 3196 | Special Topics in Techniques |
| GEOG 4307 | Digital Image Processing and Analysis |
| GEOG 4308 | Programming for Geospatial Applications I |
| GEOG 4309 Emergency Management |  |
| GEOG 4311 | Geovisualization and Cartography |

Group D: Nature and Society
At least two courses from the following, one of which must be taken at the 3000 level.

| GEOG 1003 | Society and Environment |
| :--- | :--- |
| GEOG 2120 | World Regional Geography |
| GEOG 3132 | Environmental Quality and Management |
| GEOG 3133 | Social-Ecological Systems |
| GEOG 3143 | Geography of the Middle East and North <br> GEOG 315 |
| GEOG 3161 | Geography of Latin America |
| GEOG 3164 | Geography of South Asia |
| GEOG 3165 | Environmental Law and Policy |
| GEOG 3193 | Special Topics in Regional Geography |
| GEOG 3218 3197 | Arctic Systems |

## Elective

Any one course selected from Group A, B, C, or D.

* Offered in the fall semester only.
** All students take two techniques courses, GEOG 2104 and GEOG 3106, as part of the required major curriculum. Their elective course selection may be an additional techniques course or a course from one of the other three groups.


## GENERAL EDUCATION

In addition to the University General Education Requirement (https://bulletin.gwu.edu/university-regulations/generaleducation/), undergraduate students in Columbian College must
complete a further, College-specific general education curriculum -Perspective, Analysis, Communication (G-PAC) (https:// bulletin.gwu.edu/arts-sciences/gpac/) as well as the course CCAS 1001 First-Year Experience. 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 (https://bulletin.gwu.edu/university-regulations/ general-education/\#generaleducationtext) for the University General Education Requirement is distributed as follows:

- One course in critical thinking in the humanities.
- Two courses in critical thinking, quantitative reasoning, or scientific reasoning in the social sciences.
- One course that has an approved oral communication component.
- One course in quantitative reasoning (must be in mathematics or statistics).
- One course in scientific reasoning (must be in natural and/or physical laboratory sciences).
- UW 1020 (https://bulletin.gwu.edu/search/?P=UW\ 1020) University Writing (4 credits).
- After successful completion of UW 1020, 6 credits distributed over at least two writing in the discipline (WID) courses taken in separate semesters. WID courses are designated by a "W" appended to the course number.


## Coursework for the CCAS G-PAC requirement is distributed as follows:

- Arts-one approved arts course 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.
- 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 additional 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).
- Humanities-one additional approved humanities course that involves critical thinking skills (in addition to the one course in this category required by the University General Education Requirement).
- CCAS 1001 First-Year Experience


## Certain courses are approved to fulfill GPAC requirements in more than one category.

Courses taken in fulfillment of G-PAC requirements may also 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.

Lists of approved courses in the above categories are included on each undergraduate major's (https://bulletin.gwu.edu/artssciences/\#majorstext) page in this Bulletin.

## 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.

