

Department of Geography and Environmental Science

Geography – BA (52-61 credits) Effective Fall 2019

A major in Geography is designed to prepare students to understand and respond to our world's changing social and natural environments using a range of quantitative, qualitative, and geospatial research methods. Students will study how social and natural systems interact using concepts of place, space, distance, location, and scale. They will also learn how to make (digital) maps in order to analyze and explain differences between places. Geographic knowledge and analytical skills are vital to solving the many problems our world is facing today, from consequences of climate change to geopolitical crises and migration. In addition to classroom learning, students explore urban and natural environments through our field-based classes and by doing research projects together with community advocacy groups in New York City.

Our department offers three concentration areas that Geography majors are encouraged to explore. These concentrations are: **Cities and Globalization, Digital Mapping and Geographic Information Science, and Sustainability.** Students are encouraged to discuss with advisors and professors in our department the course of study that best fits their interests.

HUNTER CORE REQUIREMENT

GEOG 10100 Individual and Society
PGEOG 13000 (STEM) Scientific World or Life and Physical Sciences
GEOL 10000 Scientific World
GEOL 10100 Life and Physical Sciences
GEOL 10500 Scientific World
GEOL 18000 Scientific World

CORE REQUIREMENTS FOR ALL GEOGRAPHY MAJORS (13 CREDITS)

GEOG 10100 People and Their Environment* (3 credits)
-or-
GEOG 15000 World Regional Geography** (3 credits)
-and-
GTECH 20100 Introduction to Geographic Information Science (4 credits)
-and-
GEOG 22600 Environmental Conservation: Resource Management (3 credits)
-or-
GEOG 24100** Population Geography (3 credits)
-and-
STAT 11300 Elementary Probability and Statistics (3 credits)
-or-
STAT 21300 Introduction to Applied Statistics (3 credits)

ADDITIONAL REQUIREMENTS FOR ALL GEOGRAPHY MAJORS (21-22 CREDITS)

One of the following courses:

- PGEOG 14000 Introduction to Weather, Climate and Climate Change (3 credits)
- PGEOG 13000 Introduction to Weather and Climate* (4 credits) Individual and Society or Life and Physical Science
- GEOL 10000 Introductory to Geology* (3 credits) Scientific World
- GEOL 10500 Introduction to Environmental Geoscience* (3 credits) Scientific World
- GEOL 18000 Introduction to Oceanography* (3 credits) Scientific World

-and-

One of the following courses:

- PGEOG 14100 Introduction to Weather, Climate and Climate Change Laboratory (3 credits)
- PGEOG 13000 Introduction to Weather and Climate (4 credits)
- GEOL 10100 Introductory Geology Lab* (3 credits) Life and Physical Science

-and-

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GEOG 24300 Urban Geography (3 credits)

-or-

GEOG 22100 Economic Geography (3 credits)

-and-

GEOG 25000 Geographic Research Methods (3 credits)

-and-

One 200-level regional geography course or one course in GEOG 30600 Special Topics in Contemporary Regional Geographies (3 credits)

-and-

At least one field course chosen from the following courses (3 credits):

- GEOG 35700 Geography of NYC & Vicinity
- PGEOG 38367 Field Ecology of NYC
- PGEOG 38306 Ecology of Global Change
- PGEOG 38363 NYC Water Supply
- GEOL 38333 Field Geology of NYC & Vicinity

-and-

At least one Department approved, research project-related, 300-level GEOG, PGEOG or GTECH course (3 credits)

ELECTIVE COURSES (A MINIMUM OF 18 CREDITS, AT 200 LEVEL OR HIGHER)

Common Core courses cannot double count as geography major elective courses. One 3-credit independent study course may count as a 300-level elective course with the approval of the undergraduate geography advisor.

At least 18 additional credits of courses with a GEOG, PGEOG or GTECH prefix of which at least 15 credits must be at the 300-level.

Courses Offered by Supporting Disciplines (0-8 credits)

MATH 10100 Algebra for College Students (3)**

or

MATH 101EN Algebra for College Students – Enhanced (3)**

MATH 10150 Mastery of Symbolic Computation (1)**

MATH 12400 (STEM): College Algebra and Trigonometry(4)**

or

MATH 12500 (STEM) Precalculus (4)*

or

MATH 12550 (STEM) Precalculus with Workshop (4)*

Based on placement exams or transferred courses, students may place into some more advanced Mathematics and Statistics courses without taking Hunter College pre-requisites. See the Mathematics and Statistics department for details.

Sub-total: 34-43 credits. Electives: 18 credits. Total credits required: 52-61 credits

Notes:

* *These courses satisfy one or more of the CUNY Common Core.*

** *These courses satisfy one or more of the P/D requirements.*

*** *These courses may be counted for credit in more than one program.*

PGEOG 13000 can count for one requirement only.

For more information, contact the Undergraduate
Geography Advisor at geogmajor@hunter.cuny.edu