GEOGRAPHY, B.S.

Begin Campus: Any Penn State Campus
End Campus: University Park

Program Description
The Department of Geography in Penn State’s College of Earth and Mineral Sciences offers a strong mix of human, physical, and methodological components that comprise the core of the geography major. Combining geography with other areas of study allows students to choose from a broad range of topics in order to suit their individual interests. Undergraduate degrees in geography are offered in the Bachelor of Science (BS) and in the Bachelor of Arts (BA). Both programs offer an integrated course of study in which students learn fundamental concepts in physical and human geography while developing methodological proficiency in qualitative analysis, spatial analysis, and/or geospatial technologies.

In contrast to the broader liberal arts-oriented B.A., the Bachelor of Science (B.S.) major is a more disciplinary-focused program, emphasizing technical skills and preparation across the human/physical spectrum of geography. It includes rigorous training in the use of geographic tools and technologies as well as core and advanced courses on the ways people use environmental resources and how they arrange themselves and their economic, social, and political activities on the Earth’s surface.

In both the B.S. and B.A., students can customize and specialize their programs through the completion of undergraduate certificates. The Geography major can provide preparation for a career in business, industry, or government. Geographers with bachelor’s degrees are currently being placed in federal, state, and local administrative and planning agencies and in private firms that specialize in planning and development or in environmental, socioeconomic, or location analysis.

What is Geography?
What do Amnesty International, Boeing, National Geographic, and Esri have in common? Penn State geographers are there, hard at work every day. Our students and alumni are behind the maps you use daily, as well as the policies that shape our cities, and the analysis that sustains our environment. Geographers help shape the future design of cities and infrastructure. Geographers assess impacts of rising sea levels, melting glaciers, and tropical storms, as well as study impacts of wild fires or manage wetlands. Geographers analyze new markets and locations for businesses. Geographers use cutting-edge satellite data to defend human rights by detecting large-scale abuses. Geographers also work directly with local people on social justice issues such as health and migration. If you want to change the world, there is no better discipline for people who thrive on complex challenges and want to make a real impact on lives and our environment.

You Might Like This Program If...
- You want to understand and influence the economic, political, and environmental forces that shape our world.
- You want to make maps using cutting-edge technology to understand people and environments to make a difference in our world.
- You want to work at the intersection of science, technology, and policy in information technology, business; nonprofits; local, state, or federal governments; or education.
- You are passionate about issues of human and environmental justice.

Entrance to Major
In order to be eligible for entrance to this major, a student must:
1. attain at least a C (2.00) cumulative grade-point average for all courses taken at the University; and
2. have third-semester classification (http://www.registrar.psu.edu/registration/semester_classification.cfm).

READ SENATE POLICY 37-30: ENTRANCE TO AND CHANGES IN MAJOR PROGRAMS OF STUDY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/37-00-entrance-to-a-college-or-major)

Degree Requirements
For the Bachelor of Science degree in Geography, a minimum of 120 credits is required:

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>General Education</td>
<td>45</td>
</tr>
<tr>
<td>Electives</td>
<td>9</td>
</tr>
<tr>
<td>Requirements for the Major</td>
<td>75</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>9 of the 45 credits for General Education are included in the Requirements for the Major. This includes: 6 credits of GQ courses; 3 credits of GWS courses.</td>
<td></td>
</tr>
<tr>
<td>General Education</td>
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<td></td>
<td></td>
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<tr>
<td>Foundations (grade of C or better is required.)</td>
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</tr>
<tr>
<td>- Quantification (GQ): 6 credits</td>
<td></td>
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<tr>
<td>- Writing and Speaking (GWS): 9 credits</td>
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<tr>
<td>Knowledge Domains</td>
<td></td>
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<tr>
<td>- Arts (GA): 6 credits</td>
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<tr>
<td>- Health and Wellness (GHW): 3 credits</td>
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<tr>
<td>- Humanities (GH): 6 credits</td>
<td></td>
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<tr>
<td>- Social and Behavioral Sciences (GS): 6 credits</td>
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<tr>
<td>- Natural Sciences (GN): 9 credits</td>
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</tbody>
</table>
Integrative Studies (may also complete a Knowledge Domain requirement)
  • Inter-Domain or Approved Linked Courses: 6 credits

University Degree Requirements

First Year Engagement
All students enrolled in a college or the Division of Undergraduate Studies
at University Park, and the World Campus are required to take 1 to 3
credits of the First-Year Seminar, as specified by their college First-Year
Engagement Plan.

Other Penn State colleges and campuses may require the First-Year
Seminar; colleges and campuses that do not require a First-Year Seminar
provide students with a first-year engagement experience.

First-year baccalaureate students entering Penn State should consult
their academic adviser for these requirements.

Cultures Requirement
6 credits are required and may satisfy other requirements
  • United States Cultures: 3 credits
  • International Cultures: 3 credits

Writing Across the Curriculum
3 credits required from the college of graduation and likely prescribed as
part of major requirements.

Total Minimum Credits
A minimum of 120 degree credits must be earned for a baccalaureate
degree. The requirements for some programs may exceed 120 credits.
Students should consult with their college or department adviser for
information on specific credit requirements.

Quality of Work
Candidates must complete the degree requirements for their major and
earn at least a 2.00 grade-point average for all courses completed within
their degree program.

Limitations on Source and Time for Credit Acquisition
The college dean or campus chancellor and program faculty may require
up to 24 credits of course work in the major to be taken at the location or
in the college or program where the degree is earned. Credit used toward
degree programs may need to be earned from a particular source or
within time constraints (see Senate Policy 83-80 (http://senate.psu.edu/
policies-and-rules-for-undergraduate-students/82-00-and-83-00-degree-
requirements/#83-80)). For more information, check the Suggested
Academic Plan for your intended program.

Requirements for the Major
To graduate, a student enrolled in the major must earn a grade of C or
better in each course designated by the major as a C-required course, as
specified by Senate Policy 82-44 (http://senate.psu.edu/policies-and-
rules-for-undergraduate-students/82-00-and-83-00-degree-requirements/
#82-44).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EMSC 100S</td>
<td>Earth and Mineral Sciences First-Year Seminar</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 210</td>
<td>Geographic Perspectives on Environmental Systems Science</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 220</td>
<td>Perspectives on Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 230</td>
<td>Geographic Perspectives on Environment, Society and Sustainability</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 260</td>
<td>Geographic Information in a Changing World: Introduction to GIScience</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 301</td>
<td>Thinking Geographically</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 364</td>
<td>Spatial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 390</td>
<td>Professional Development Seminar in Geography</td>
<td>1</td>
</tr>
<tr>
<td>GEOG 464</td>
<td>Advanced Spatial Analysis</td>
<td>3</td>
</tr>
<tr>
<td>STAT 200</td>
<td>Elementary Statistics</td>
<td>4</td>
</tr>
</tbody>
</table>

Additional Courses

Additional Courses: Require a grade of C or better

Calculus:
Select one of the following: 4
  • MATH 83 Technical Calculus
  • MATH 110 Techniques of Calculus I
  • MATH 140 Calculus With Analytic Geometry I

Engaged Scholarship:
Select 3 credits from the following: 3
  • GEOG 493 Service Learning (1-3 credits)
  • GEOG 494 Research Project in Geography (1-3 credits)
  • GEOG 494H Research Project in Geography (1-3 credits)
  • GEOG 495 Internship (1-3 credits)
  • GEOG 495B Geography Teaching Internship (1-3 credits)
  • GEOG 495G Giscience Internship (1-3 credits)
  • GEOG 499 Foreign Studies (1-3 credits)

Geographic Information Science Skills:
Select 6 credits from the following: 6
  • GEOG 361 Cartography–Maps and Map Construction
  • GEOG 362 Image Analysis
  • GEOG 363 Geographic Information Systems
  • GEOG 365 Introduction to GIS Programming

300-level geography:
Select 9 credits, not including courses taken above: 9
  • GEOG 308 Research and Qualitative Inquiry in Geography
  • GEOG 310 Introduction to Global Climatic Systems
  • GEOG 310W Introduction to Global Climatic Systems
  • GEOG 314 Biogeography and Global Ecology
  • GEOG 315 Landforms and Geomorphic Systems in the Anthropocene
  • GEOG 320 Urban Geography: A Global Perspective
  • GEOG 324 Place, Space and Culture
  • GEOG 326 Geographic Perspectives on Economic Systems
  • GEOG 328 War, Peace, and Diplomacy: Understanding Contemporary Geopolitics
  • GEOG 330N Political Ecology
  • GEOG 333 Human Dimensions of Natural Hazards

400-level geography:
Select 12 credits, not including courses taken above: 12
  • GEOG 410 Climatic Change and Variability
  • GEOG 411 Forest Geography
  • GEOG 411W Forest Geography
  • GEOG 412W Climatic Change and Variability
  • GEOG 414 Principles and Applications in Landscape Ecology
Program Learning Objectives

1. Majors in Geography will demonstrate knowledge of fundamental geographic skills and concepts and apply them to complex spatial relationships (interactions, patterns, processes) within the human socio-cultural and natural environments at global, regional, and local scales.

2. Majors in Geography will engage in spatial and environmental critical thinking by analyzing, discussing and synthesizing geographical information that may include professional/technical documents, primary data, maps, graphics, and/or archival data.

3. Majors in Geography will communicate geographic information utilizing oral, written, and visual formats to effectively process and integrate facts, ideas, and research results.

4. Majors in Geography will develop research skills by locating, understanding, and explaining geographic challenges and opportunities related to human socio-cultural and/or environmental phenomena at global, regional, and local scales.

Academic Advising

The objectives of the university’s academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of-class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary academic adviser, the information needed to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

University Park

Jodi Vender
Undergraduate Advising Coordinator
305 Walker Building
University Park, PA 16802
814-863-5730
advising@geog.psu.edu

Suggested Academic Plan

The suggested academic plan(s) listed on this page are the plan(s) that are in effect during the 2019-20 academic year. To access previous years’ suggested academic plans, please visit the archive (http://bulletins.psu.edu/undergraduate/archive) to view the appropriate Undergraduate Bulletin edition (Note: the archive only contain suggested academic plans beginning with the 2018-19 edition of the Undergraduate Bulletin).

University Park Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

First Year

<table>
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<tr>
<th>Fall</th>
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<th>Spring</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EMSC 100S (GWS)‡†</td>
<td>3</td>
<td>General Education Foundation selection (GWS) (ENGL 15, 30, or ESL 15)†</td>
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<tr>
<td>MATH 110, 140, 140G, or 83‡†</td>
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<td>STAT 200††</td>
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<tr>
<td>General Education Knowledge Domain selection</td>
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<td>General Education Knowledge Domain selection</td>
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</table>

Supporting Courses and Related Areas

Select 12 credits in geography or related areas (not used above) in consultation with adviser.

Advanced Geographic Information Systems Modeling
Applied Cartographic Design
Topographic Mapping with Lidar
GIS Programming and Software Development
Service Learning (1-3 credits)
Research Project in Geography (1-3 credits)
Research Project in Geography (1-3 credits)
Internship (1-3 credits)
Geography Teaching Internship (1-3 credits)
Giscience Internship (1-3 credits)
Independent Studies (1-3 credits)
Special Topics
Special Topics
Foreign Studies (1-6 credits)

Knowledge Domain

General Education

‡†‡‡ ‡‡‡

University Park

University Park, PA 16802
814-863-5730
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<table>
<thead>
<tr>
<th>General Education Knowledge Domain selection</th>
<th>3</th>
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<tbody>
<tr>
<td>GEOG 210, 220, 230, or 260*</td>
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<td>GEOG 220, 210, 230, or 260*</td>
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**Second Year**

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<thead>
<tr>
<th>Fall</th>
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<tbody>
<tr>
<td>General Education Knowledge Domain selection</td>
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<td>General Education Foundation (GWS) (ENGL 202A, ENGL 202B, ENGL 202C, ENGL 202D, CAS 100A, CAS 100B, or CAS 100C)‡</td>
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<tr>
<td>GEOG 230, 210, 220, or 260*</td>
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<td>GEOG 301*</td>
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<td>GEOG 260, 210, 220, or 230‡</td>
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<td>GEOG 363‡</td>
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<tr>
<td>GEOG 364*</td>
<td>3</td>
<td>300-level GEOG selection*</td>
<td>3</td>
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<tr>
<td>GEOG 390*</td>
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<td>300-level GEOG selection*</td>
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**Third Year**

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<tr>
<th>Fall</th>
<th>Credits</th>
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<td>General Education Knowledge Domain selection</td>
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<td>General Education Knowledge Domain selection</td>
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<tr>
<td>GEOG 361, 362, or 365‡</td>
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<td>GEOG 464‡</td>
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<tr>
<td>GEOG 362, 361, or 365*</td>
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<td>400-level GEOG selection*</td>
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<td>300-level GEOG selection*</td>
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<td>400-level GEOG selection*</td>
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<td>Supporting Course selection</td>
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**Fourth Year**

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<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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<tbody>
<tr>
<td>General Education Health and Wellness (GHW)</td>
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<td>General Education Health and Wellness (GHW)</td>
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<tr>
<td>400-level GEOG selection*</td>
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<td>400-level GEOG engaged scholarship (GEOG 493, 494, 494H, 495, 495B, or 495G)†</td>
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<tr>
<td>400-level GEOG selection*</td>
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<tr>
<td>Supporting Course selection</td>
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<td>Elective</td>
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</tbody>
</table>

Total Credits 120

* Course requires a grade of C or better for the major
‡ Course requires a grade of C or better for General Education
# Course is an Entrance to Major requirement
† Course satisfies General Education and degree requirement

**University Requirements and General Education Notes:**

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.

All incoming Schreyer Honors College first-year students at University Park will take ENGL/CAS 137 in the fall semester and ENGL/CAS 138 in the spring semester. These courses carry the GWS designation and replace both ENGL 30 and CAS 100. Each course is 3 credits.

Students who begin their studies at non-UP locations and/or join the college after their first year should substitute CAS 100 (GWS) or ENGL 202A (GWS) or ENGL 202B (GWS) or ENGL 202C (GWS) or ENGL 202D (GWS) for EMSC 100S (GWS). EMSC 100S Earth and Mineral Sciences First year Seminar (3) is a required course only for students who begin their studies at UP in the College of Earth and Mineral Sciences.

**Advising Notes:**

To enter the major, students need a minimum 2.00 grade point average and third semester standing.

Courses required for the major may be offered fall semester only, spring semester only, or both fall and spring semesters. Consult with your adviser and department to discuss your academic progress and course sequencing.

For 300-level selections, students should choose one course each from physical geography (GEOG 31x), human geography (GEOG 32x) and environment-society geography (GEOG 33x). Additional 300-level courses (any topic) may be selected for "Supporting Courses" and "Electives" to complete undergraduate certificate requirements.

Geography majors are encouraged to complete at least one 12-credit undergraduate certificate in geography as part of their degree program. With careful planning, there is room in the curriculum to complete 2 certificates. Certificate topics include Human Geography; Physical Geography; Environment & Society Geography; Geographic Information Science; Geospatial Big Data Analytics; Justice, Ethics, Diversity in Space; and Landscape Ecology. Certificate courses double-count with major requirements, but students completing more than one certificate may only double-count a single course for each.

**Geography course notes:**

- Students who have taken GEOG 10, GEOG 20, GEOG 30N/Geographic Perspectives on Sustainability and Human-Environment Systems (GEOG 30), GEOG 115, Urban Geography (GEOG 120), GEOG 124, GEOG 126, GEOG 128, or GEOG 160 should NOT take GEOG 210, GEOG 220, GEOG 230, GEOG 315, GEOG 320, GEOG 324, GEOG 326, GEOG 328, or GEOG 260 as the latter courses are functionally equivalent to the former and substitutions will be made as needed.
The following courses are typically offered in **Fall semesters only** at UP: GEOG 210, GEOG 220, GEOG 310, GEOG 324, GEOG 328, GEOG 361, GEOG 362, GEOG 364, GEOG 365, GEOG 461

The following courses are typically offered in **Spring semesters only** at UP: GEOG 301, GEOG 314, GEOG 315, GEOG 363, GEOG 464, GEOG 467

Some courses may alternate between Fall and Spring offerings depending on teaching resources, and some 400-level courses may be offered only once every other year. Consult with a Penn State academic adviser (advising@geog.psu.edu) for current offering schedule.

Geography majors must select at least one writing-intensive course (WAC) in their 300/400-level courses. Some courses alternate between writing-intensive and non-writing-intensive offerings (e.g., GEOG 310/GEOG 310W; GEOG 411/GEOG 411W; GEOG 410/GEOG 412WAC, whose number will be changed to GEOG 410W). Other courses are offered only as writing-intensive, even if the suffix W/Y does not appear (e.g. GEOG 461).

### Commonwealth Campus

The course series listed below provides only one of the many possible ways to move through this curriculum. The University may make changes in policies, procedures, educational offerings, and requirements at any time. This plan should be used in conjunction with your degree audit (accessible in LionPATH as either an Academic Requirements or What If report). Please consult with a Penn State academic adviser on a regular basis to develop and refine an academic plan that is appropriate for you.

#### First Year

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<tr>
<th>Fall</th>
<th>Credits</th>
<th>Spring</th>
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</tr>
</thead>
<tbody>
<tr>
<td>General Education Foundation selection (GWS) (ENGL 15, 30, or ESL 15)‡</td>
<td>3</td>
<td>General Education Foundation selection (GWS) (CAS 100, 100A, 100B, or 100C)††</td>
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<tr>
<td>MATH 110, 140, or 83††</td>
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<td>STAT 200††</td>
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<tr>
<td>General Education Knowledge Domain selection</td>
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<td>General Education Health and Wellness (GHW)</td>
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#### Second Year

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<th>Spring</th>
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#### Third Year

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<th>Fall</th>
<th>Credits</th>
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<tbody>
<tr>
<td>GEOG 210*</td>
<td>3</td>
<td>GEOG 301*</td>
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<tr>
<td>GEOG 220*</td>
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<td>GEOG 363*</td>
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<td>GEOG 230*</td>
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<td>GEOG 260*</td>
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<td>300-level GEOG selection*</td>
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<td>GEOG 364*</td>
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<td>GEOG 464*</td>
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<td>GEOG 390*</td>
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<td><strong>16</strong></td>
<td><strong>15</strong></td>
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#### Fourth Year

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<th>Credits</th>
<th>Spring</th>
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<tbody>
<tr>
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<tr>
<td>300-level GEOG selection*</td>
<td>3</td>
<td>400-level GEOG engaged scholarship selection (GEOG 493, 494, 494H, 495, 495B, 495G, or 499)*</td>
<td>3</td>
</tr>
<tr>
<td>400-level GEOG selection*</td>
<td>3</td>
<td>Supporting Course</td>
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<tr>
<td>400-level GEOG selection*</td>
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<td>Supporting Course</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>15</strong></td>
<td><strong>15</strong></td>
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</tbody>
</table>

| **Total Credits** | **120** | |

* Course requires a grade of C or better for the major
† Course requires a grade of C or better for General Education
‡ Course is an Entrance to Major requirement
†† Course satisfies General Education and degree requirement

### University Requirements and General Education Notes:

US and IL are abbreviations used to designate courses that satisfy University Requirements (United States and International Cultures).

W, M, X, and Y are the suffixes at the end of a course number used to designate courses that satisfy University Writing Across the Curriculum requirement.

GWS, GQ, GHW, GN, GA, GH, and GS are abbreviations used to identify General Education program courses. General Education includes Foundations (GWS and GQ) and Knowledge Domains (GHW, GN, GA, GH, GS, and Integrative Studies). Foundations courses (GWS and GQ) require a grade of ‘C’ or better.

Integrative Studies courses are required for the General Education program. N is the suffix at the end of a course number used to designate an Inter-Domain course and Z is the suffix at the end of a course number used to designate a Linked course.
Students who begin their studies at non-UP locations and/or join the college after their first year should substitute CAS 100 (GWS) or ENGL 202A (GWS) or ENGL 202B (GWS) or ENGL 202C (GWS) or ENGL 202D (GWS) for EMSC 100S (GWS). EMSC 100S Earth and Mineral Sciences First-Year Seminar is a required course only for students who begin their studies at UP in the College of Earth and Mineral Sciences.

Advising Notes:

Commonwealth campus students are strongly advised to complete all GWS, GQ, and GHW credits before transitioning to UP, as these courses may be challenging to schedule at UP. STAT 200 is a prerequisite for GEOG 364, which is only offered at UP in fall semesters.

To enter the major, students need a minimum 2.00 grade point average and third semester standing.

Courses required for the major may be offered fall semester only, spring semester only, or both fall and spring semesters. Consult with your adviser and department to discuss your academic progress and course sequencing.

For 300-level selections, students should choose one course each from physical geography (GEOG 31x), human geography (GEOG 32x) and environment-society geography (GEOG 33x). Additional 300-level courses (any topic) may be selected for "Supporting Courses" and "Electives" to complete undergraduate certificate requirements.

Geography majors are encouraged to complete at least one 12-credit undergraduate certificate in geography as part of their degree program. With careful planning, there is room in the curriculum to complete 2 certificates. Certificate topics include Human Geography; Physical Geography; Environment & Society Geography; Geographic Information Science; Geospatial Big Data Analytics; Justice, Ethics, Diversity in Space; and Landscape Ecology. Certificate courses double-count with major requirements, but students completing more than one certificate may only double-count a single course for each.

Geography course notes:

- Some courses may be available online to students at Commonwealth Campuses via the Digital Learning Cooperative. Interested students should consult with their academic adviser and campus registrar regarding availability, and with the geography department undergraduate adviser (advising@geog.psu.edu) regarding how such courses may fit into the academic plan.
- Students who have taken GEOG 10, GEOG 20, GEOG 30N/Geographic Perspectives on Sustainability and Human-Environment Systems (GEOG 30), GEOG 115, Urban Geography (GEOG 120), GEOG 124, GEOG 126, GEOG 128, or GEOG 160 should NOT take GEOG 210, GEOG 220, GEOG 230, GEOG 315, GEOG 320, GEOG 324, GEOG 326, GEOG 328, or GEOG 260 as the latter courses are functionally equivalent to the former and substitutions will be made as needed.
- The following courses are typically offered in Fall semesters only at UP: GEOG 210, GEOG 220, GEOG 310, GEOG 324, GEOG 328, GEOG 361, GEOG 362, GEOG 364, GEOG 365, GEOG 461
- The following courses are typically offered in Spring semesters only at UP: GEOG 301, GEOG 314, GEOG 315, GEOG 363, GEOG 464, GEOG 467
- Some courses may alternate between Fall and Spring offerings depending on teaching resources, and some 400-level courses may be offered only once every other year. Consult with geography undergraduate adviser (advising@geog.psu.edu) for current offering schedule.
- Geography majors must select at least one writing-intensive course (WAC) in their 300/400-level courses. Some courses alternate between writing-intensive and non-writing-intensive offerings (e.g., GEOG 310/GEOG 310W; GEOG 411/GEOG 411W; GEOG 410/GEOG 412WAC, whose number will be changed to GEOG 410W). Other courses are offered only as writing-intensive, even if the suffix W/Y does not appear (e.g. GEOG 461).

Career Paths

There are many potential careers for Geography majors. The Geography major teaches students a variety of useful skills for the marketplace. Employers value the wide-ranging computer, research, and analytical skills that geography students bring to work as employees. Geography undergraduates find jobs in all levels of government, nonprofit organizations, and industry. In preparation for the job market both majors and non-majors can enhance their educational experience by enrolling in one or more of our certificate programs. The geography department offers certificates in Environment and Society, Geographic Information Systems, Geospatial Big Data Analytics, Human Geography, Landscape Ecology, and Physical Geography.

Careers


MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE GEOGRAPHY PROGRAM (http://www.geog.psu.edu)

Opportunities for Graduate Studies

A Geography undergraduate degree is ideal for students who are interested in pursuing graduate degrees in the computational, environmental, and social sciences. Alumni enter graduate and professional studies in a variety of programs, including (but not limited to) geography, planning, international development, urban studies, sustainability, environmental sciences, ecology, geographic information sciences, information technology, environmental informatics, geodesign, business administration, supply chain management, emergency management, law, and education. They sometimes begin graduate or professional programs directly after finishing undergraduate studies, but often get several years’ work experience before returning to school, either full- or part-time.

MORE INFORMATION ABOUT OPPORTUNITIES FOR GRADUATE STUDIES (http://www.geog.psu.edu)

Professional Resources

- American Association of Geographers (AAG) (http://www.aag.org)
- American Geographic Society (AGS) (http://americangeo.org)
- National Geographic Society (NGS) (https://www.nationalgeographic.com)
- International Geographic Union (IGU) (https://igu-online.org)
• Society of Woman Geographers (SWG) (http://www.iswg.org)
• North American Cartographic Information Society (NACIS) (http://nacis.org)
• ASPRS: The Imaging & Geospatial Information Society (https://www.asprs.org)
• National Council for Geographic Education (http://www.ncge.org)

Contact

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