

**THE OHIO STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES**  
**BACHELOR OF SCIENCE (BS): GEOGRAPHY: PHYSICAL GEOGRAPHY**

<b>Required Prerequisites or Supplements to the Major:*</b>		
Math 1151	Calculus and Analytic Geometry I	<b>5</b>
Math 1152	Calculus and Analytic Geometry II	<b>5</b>
Physics 1250	Introductory Physics: Particles and Motion	<b>5</b>
Statistics 2450	Introduction to Statistical Analysis	<b>3</b>
<b>Required Courses (19-20 hours)</b>		
2960 <b>OR</b> 2800	Introduction to Physical Geography <b>OR</b> Our Global Environment	<b>3-4</b>
3980	Biogeography: An Introduction to Life on Earth	<b>3</b>
3900 <b>OR</b> 3901H	Global Climate Change: Causes and Consequences <b>OR</b> Global Climate and Environmental Change	<b>3</b>
AS 2940 <b>OR</b> GEOG 5900	Basic Meteorology <b>OR</b> Climatology	<b>3</b>
5100 <b>OR</b> 5200 <b>OR</b> 5210	Spatial Data Analysis <b>OR</b> Cartography and Map Design <b>OR</b> Fundamentals of Geographic Information Systems	<b>3</b>
EARTHSCI 5550**	Geomorphology	<b>4</b>
<b>Electives: Choose five of the following courses (15-16 hours). Note: Some courses have prereqs beyond those required for the major.</b>		
5200	Cartography and Map Design	<b>3</b>
5201	GeoVisualization	<b>3</b>
5210	Fundamentals of Geographic Information Systems	<b>3</b>
5212	Spatial Database Design for GIS	<b>3</b>
5226 <b>OR</b> 5222 <b>OR</b> 5223	Spatial Simulation and Modeling <b>OR</b> GIS Algorithms and Programming <b>OR</b> Design and Implementation of GIS	<b>3</b>
5225	Geographic Applications in Remote Sensing	<b>3</b>
4101	Undergraduate Research and Professionalization Seminar	<b>3</b>
Choice	One Human Geography course 4000-level or higher	<b>3</b>
5921	Boundary Layer Climatology	<b>3</b>
5922	Microclimatological Measurements	<b>3</b>
AS/GEOG 5940	Synoptic Meteorology Laboratory	<b>3</b>
5941	Synoptic Analysis and Forecasting	<b>3</b>
5942	Severe Storm Forecasting	<b>3</b>
AS 5901	Climate System Modeling: Basics and Applications	<b>3</b>
AS 5950	Atmospheric Thermodynamics	<b>3</b>
AS 5951	Dynamic Meteorology 1	<b>3</b>
AS 5952	Dynamic Meteorology II	<b>3</b>
3597.02	Integrated Earth Systems: Confronting Global Change	<b>3</b>
EARTHSCI 2206	Principles of Oceanography	<b>3</b>
EARTHSCI 4450	Water, Ice, and Energy in the Earth System	<b>3</b>
	<b>Minimum Total Major Hours</b>	<b>34</b>

\* Prerequisites are course specific. There are no prerequisites that must be completed before applying to the Physical Geography major. You can declare a major in Geography with a specialization in Physical Geography by meeting with an academic advisor in the Department of Geography.

\*\* EARTHSCI 1121 is a prerequisite for EARTHSCI 5550.

**GENERAL EDUCATION**

Please visit <http://ascadvising.osu.edu/gec/curriculum> to find your General Education Requirements.

## MAJOR REQUIREMENTS

The following requirements for the major apply to all Arts and Sciences degrees.

**Major requirements comprise at least 30 semester hours and can be substantially higher.** Your major courses must be at the 2000 level or above. At least 20 hours of your major must be in courses offered by the department of the major. Note: Some interdisciplinary majors are excluded from the 20-hour rule.

**You must earn at least a C- in a course for it to be counted toward the major.** However, you must receive an overall 2.0 grade point average (GPA) for all major course work. If you earn a D+, D, or an E in a course needed for your major, the course cannot be counted on the major. Your academic advisor will decide if the course should be repeated or if another course should be substituted. Courses taken on a pass/non-pass basis cannot be used on the major.

**Your department must approve all courses in your major.** Some departments require a “major program form,” a document that must be signed by your academic advisor and submitted with your graduation application. Some departments do not require such a form because the academic advisors use an automated version on the degree audit report. Some departments require both. In any case, you should meet with your academic advisor early to plan the major; during your meeting, you can ask your academic advisor whether or not your department requires a paper major program form. Any changes or adjustments to your major should be made in consultation with your academic advisor.

**If you have transferred from another institution, no more than half of the credit hours on your major program may consist of transfer credit.** Your academic advisor, the chairperson of the department, and the appropriate assistant dean must approve any request for a variation in this policy.

**If you are an Honors student, your GE curriculum and major must be approved by your Honors advisor.**

Information about the honors curriculum and requirements and how to schedule an appointment with an honors advisor is available on the College of Arts and Sciences Honors Program website: <http://aschonors.osu.edu/advising>. You will also be assigned a faculty advisor in your department of study to help you choose courses and co-curricular opportunities that align with your academic and professional goals.

**For more information about internship and career opportunities, visit the College of Arts and Sciences Career Services Office.** Their website is <http://asccareerservices.osu.edu/>.