

# Geography B.A., Physical Geography Concentration

Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028

College of Letters, Arts, and Sciences

Catalog 16-17

This sheet applies to the 2016-17 catalog *only*. It does not replace the full catalog as an official statement of requirements. Students with declared majors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

General Studies	33 min
Major courses	67
Unrestricted Electives	<u>20</u>
Total to graduate (min. 40 hrs. upper-division)	120 min

Students who have reached junior standing (60 hrs.) should run a Degree Progress Report and review it with a faculty advisor.

## General Studies Course Requirements Credits

**\*TO BE COMPLETED WITHIN FIRST 30 COLLEGE-LEVEL CREDIT HOURS**

### Written Communication min 6 credits

___ ENG 1010 Composing Arguments*	3
___ ENG 1020 Freshman Comp: Analysis, Research, & Doc.	3

### Oral Communication\* min. 3 credits

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### Quantitative Literacy\* min. 3 credits

See Required Pre-requisites on the reverse side for recommendations\*

### Arts and Humanities min. 6 credits

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### Historical min. 3 credits

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### Natural and Physical Sciences min. 6 credits

___ MTR 1600 Global Climate Change ( <i>recommended</i> )	3
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### Social and Behavioral Sciences I min. 3 credits

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### Social and Behavioral Sciences II min. 3 credits

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### Global Diversity

___ MTR 1600 Global Climate Change ( <i>recommended</i> )
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### Multicultural Requirement

\_\_\_ may be satisfied within General Studies (MC code)

## Geography Major Required Core Courses Credits

___ GEG 1000 World Regional Geography	3
___ GEG 1100 Introduction to Physical Geography	3
___ GEG 1300 Introduction to Human Geography	3
___ GEG 3360 Economic Geography ( <i>Preq. GEG 1300</i> )	3
___ ENV 1200 Introduction to Environmental Science	3
___ GIS 1220 Introduction to Geospatial Sciences	3
___ GIS 2250 Geographic Information Systems ( <i>Preq. GIS 1220</i> )	3

## Physical Geography Required Courses Credits

___ ENV 4430 Habitat Planning ( <i>Preq. ENV 1200 &amp; G.S. complete</i> )	3
___ GEG 3720 Global Sustainable Development ( <i>Preq. GEG 3360</i> )	3
___ GEL 1010 Physical Geology	4
___ GEL 3120 Geomorphology ( <i>Preq. GEL 1010 or GEG 1000</i> )	4
___ GEL 3420 Soil Resources ( <i>Preq. ENV 1200 &amp; G.S. complete</i> )	4
___ GEL 4150 Hydrology ( <i>Preq. GEG 1100 or ENV 3400, MTH 1210</i> )	4
___ GIS 3250 Cartography ( <i>Preq. GIS 2250 &amp; MTH 1210</i> )	3
___ MTR 1400 Weather and Climate	3
___ MTR 2020 Weather and Climate Lab for Scientist	1
___ MTR 3330 Climatology ( <i>Preq. MTR 2020</i> )	3

## Internship Requirement min. 3 credits Credits

___ GEG 4950 Internship in Geography ( <i>Preq. Permission of EAS Dept.</i> )	3
___ ENV 4950 Internship in Environmental Science ( <i>Preq. Permission of EAS Dept.</i> )	3

**Senior Experience Requirement min. 3 credits** **Credits**

___ <b>GEG 4970 Sustainability Practice Seminar</b>	3
<i>(Preq. GEG 4700 &amp; 12 credits of upper division)</i>	
___ <b>ENV 4960 Global Environmental Challenges</b>	3
<i>(Preq. 12 credits of upper division)</i>	
___ <b>ENV 4970 Environmental Field Studies</b>	3
<i>(Preq. 12 credits of upper division)</i>	

**Required Pre-requisites\*** **Credits**

___ <b>MTH 1110 College Algebra OR</b>	
<b>MTH 1112 College Algebra Through Modeling</b>	4
___ <b>MTH 1210 Introduction to Statistics</b>	4

**Unrestricted Electives\* – to total the min. of 120 credits for undergraduate degree**

*\*Students must have 40-credits of upper division course work (3000 & 4000 level)*

Geographers study Earth and its land, features, and inhabitants, ranging in scale from local to global. Geography is unique in bridging the social sciences and the natural sciences. Geographers pursue rewarding careers in education, business, government agencies, and nonprofit organizations.

The mission of the geography program is to provide a multidisciplinary education that integrates physical and social science with spatial analysis. This provides a foundation for understanding problems and implementing solutions to improve the quality of human-environment dynamics. The geography curriculum combines general courses in the natural and social systems of the landscapes of the Earth. The vital thread of human relationships to the environment links concentrations in Physical Geography and Sustainability.

*Updated 12-19-2016*