

BA IN GEOGRAPHY (PHYSICAL GEOGRAPHY)

Units required for Major: 46
 Total units required for BA: 120


Program Description

The Bachelor of Arts in Geography with a concentration in Physical Geography focuses on earth systems and human impacts on them, including global climate change. Students interested in natural science and environmental management study weather and climate, plant and animal communities, landforms, and water resources, emphasizing the growing human role in influencing and managing these complex interrelated systems.

Note:

- Every candidate must complete **all** of the Geography Core and **one** Concentration.
- Courses *cannot* double count for the core and the concentration.

Program Requirements

Code	Title	Units
Required Lower Division Core Courses (10 Units)		
GEOG 1	Physical Geography: The Distribution of Natural Phenomena ¹	3
GEOG 2	Cultural Geography ¹	3
GEOG 3	Introduction to Maps and Geographic Technologies	3
GEOG 11	Laboratory in Physical Geography	1
Required Upper Division Core Courses (9 Units)		
GEOG 102	Ideas and Skills in Geography	3
GEOG 118	Earth Transformed	3
GEOG 190	Senior Research Seminar in Geography  ¹	3
Geography Core (12 Units)		
Select one course from each of the following four areas:		12
<i>Geographic Techniques</i>		
GEOG 105	Computer Cartography	
GEOG 107	Remote Sensing	
GEOG 109	Geographic Information Systems	
GEOG 110	Advanced Geographic Information Systems	
GEOG 163	Applied GIS	
GEOG 150	Programming for GIS	
GEOG 151	Programming for GIS II	
GEOG 182	Qualitative Methods in Geography	
GEOG 181	Quantitative Methods in Geography	
GEOG 193A	Field Geography: Urban-Metropolitan	
GEOG 193B	Field Geography: Suburban-Rural	
GEOG 193C	Field Geography: Physical	
<i>Human Geography</i>		
GEOG 141	Geography of Economic Activity	
GEOG 143	Environmental Hazards and Society	
GEOG 145	Population Geography	

GEOG 147	Urban Geography
GEOG 148	Urban and Regional Planning
GEOG 149	Transportation Geography
GEOG 163	Applied GIS
<i>Physical Geography</i>	
GEOG 111	Elements Of Meteorology
GEOG 113	Climate
GEOG 115	Biogeography
GEOG 116	Global Climate Change
GEOG 117	Landforms
GEOG 161	California's Water Resources
<i>Regional Geography</i>	
GEOG 121	United States and Canada
GEOG 125	Geography Of East Asia
GEOG 127	Geography Of Africa
GEOG 128	Geography Of Europe
GEOG 129A	Special Topics in Regional Geography A
GEOG 129B	Special Topics in Regional Geography B
GEOG 129C	Special Topics in Regional Geography C
GEOG 131	California

Concentrations (15 Units)	
Select a concentration from the following:	15
Geographic Information Systems and Analysis Concentration	
Human Geography Concentration	
Metropolitan Area Planning Concentration	
Physical Geography Concentration	
Total Units	46

¹ Course also satisfies General Education (GE)/Graduation Requirement.

Concentration in Physical Geography (15 units)

Code	Title	Units
Select four additional physical geography courses from the following: 12		
GEOG 111	Elements Of Meteorology ¹	
GEOG 115	Biogeography ¹	
GEOG 116	Global Climate Change ¹	
GEOG 117	Landforms	
GEOG 161	California's Water Resources	
GEOG 193C	Field Geography: Physical ²	
Select one additional technique course from the following:	3	
GEOG 105	Computer Cartography	
GEOG 107	Remote Sensing	
GEOG 109	Geographic Information Systems	
GEOG 110	Advanced Geographic Information Systems	
GEOG 163	Applied GIS	
GEOG 181	Quantitative Methods in Geography	
Total Units	15	

¹ Course also satisfies General Education (GE)/Graduation Requirement.

² The technique cannot be a field course if a field course was taken for the core.

Note: GEOG 113 can be used to meet the physical geography breadth requirement in the core, but cannot be used in the concentration.

General Education Requirements ¹

Code	Title	Units
Area A: Basic Subjects (9 Units)		
A1	Oral Communication	3
A2	Written Communication	3
A3	Critical Thinking	3
Area B: Physical Universe and Its Life Forms (6-9 Units)		
B1	Physical Science ²	0
B2	Life Forms	3
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) ²	0
B4	Math Concepts	3
B5	Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements. ³	0-3
Area C: Arts and Humanities (12 Units)		
C1	Arts	3
C2	Humanities	3
C1/C2	Area C Course	3
C1/C2	Area C Course - Take upper-division course to complete Area & upper division requirements.	3
Area D: The Individual and Society (6 Units)		
Area D Course		3
Area D Course ²		0
Area D Course	- Take upper-division course to complete Area & upper division requirements.	3
Area E: Understanding Personal Development (3 Units)		
Area E Course		3
Area F: Ethnic Studies (3 Units)		
Area F Course		3
Total Units		39-42

¹ To help you complete your degree in a timely manner and not take more units than absolutely necessary, there are ways to use single courses to meet more than one requirement (overlap). For further information, please visit the General Education page (<http://catalog.csus.edu/colleges/academic-affairs/general-education/>). **Note:** There is no way to list all possible overlaps so please consult with a professional advisor. The Academic Advising Center can be visited online (<http://www.csus.edu/acad/>), by phone (916) 278-1000, or email (advising@csus.edu).

² Required in Major; also satisfies GE.

³ Students can complete Area B5 by taking GEOG 111, GEOG 115, or GEOG 116 in their Concentration Requirements.

Graduation Requirements ¹

Code	Title	Units
Graduation Requirements (required by CSU) (6 Units)		
	American Institutions: U.S. History	3
	American Institutions: U.S. Constitution & CA Government	3
	Writing Intensive (WI) ²	0
Graduation Requirements (required by Sacramento State) (12 Units)		
	English Composition II	3

Race and Ethnicity in American Society (RE)	3
Foreign Language Proficiency Requirement ³	6

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² Required in Major; also satisfies Graduation Requirement.

³ If not satisfied before entering Sacramento State, it may be satisfied in General Education Area C2 (Humanities). "C- or better required." The alternative methods for satisfying the Foreign Language Proficiency Requirement are described here: <https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html> (<https://www.csus.edu/college/arts-letters/world-languages-literatures/foreign-language-requirement.html>)