

# BA IN GEOGRAPHY (PHYSICAL GEOGRAPHY)

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**SACRAMENTO STATE**  
Redefine the Possible

## In Workflow

1. GEOG Chair (schmidmc@csus.edu)
2. NSM College Committee Chair (mikkel.jensen@csus.edu)
3. NSM Dean (datwyler@csus.edu)
4. Academic Services (catalog@csus.edu)
5. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
6. Dean of Undergraduate (gardner@csus.edu)
7. Dean of Graduate (cnewsome@skymail.csus.edu)
8. Catalog Editor (catalog@csus.edu)
9. Registrar's Office (k.mcfarland@csus.edu)

## Approval Path

1. Fri, 22 Sep 2023 19:24:35 GMT  
Matt Schmidlein (schmidmc): Approved for GEOG Chair
2. Wed, 04 Oct 2023 22:39:16 GMT  
Mikkel Jensen (mikkel.jensen): Rollback to GEOG Chair for NSM College Committee Chair
3. Wed, 15 Nov 2023 18:24:47 GMT  
Matt Schmidlein (schmidmc): Approved for GEOG Chair
4. Wed, 06 Dec 2023 23:26:13 GMT  
Mikkel Jensen (mikkel.jensen): Approved for NSM College Committee Chair
5. Thu, 22 Feb 2024 00:08:29 GMT  
Shannon Datwyler (datwyler): Approved for NSM Dean

## History

1. May 1, 2018 by clmig-jwehrheim
2. Aug 13, 2018 by 212408496
3. Aug 13, 2018 by 212408496
4. Oct 2, 2018 by 212408496
5. Jan 17, 2020 by Thomas Krabacher (tsk)
6. Apr 28, 2020 by 220267334
7. Apr 20, 2021 by 220267334
8. May 17, 2022 by Janett Torset (torsetj)
9. Aug 8, 2022 by 302822325

Date Submitted: Wed, 30 Aug 2023 17:56:57 GMT

**Viewing: BA in Geography (Physical Geography)**

**Last approved: Mon, 08 Aug 2022 18:15:44 GMT**

**Last edit: Wed, 15 Nov 2023 18:22:42 GMT**

Changes proposed by: James Wanket (102010842)

**Academic Group: (College)**

Natural Sciences & Mathematics

**Academic Organization: (Department)**

Geography

**Catalog Year Effective:**

2023-2024 Catalog

**Individual(s) primarily responsible for drafting the proposed degree major program:**

Name (First Last)	Email	Phone 999-999-9999
James Wanket	jwanket@csus.edu	916-278-7580

**Type of Program Proposal:**

Major

**Program Change Type:**

Non-Substantive

**Delivery Format:**

Fully Face to Face

**Title of the Program:**

BA in Geography (Physical Geography)

**Designation: (degree terminology)**

Bachelor of Arts

**Briefly describe the program proposal (new or change) and provide a justification:**

This proposal is part of an overall rehaul of all major concentrations. The purpose of these proposals are to: 1) Realign the way core and concentration requirements are expressed in alignment with EO1071 requirements; 2) Restructure the concentration requirements to simplify the structure of requirements and to simplify advising and graduation applications; 3) to incorporate changes in curriculum associated with recent faculty hires; and 4) include updated program learning outcomes.

**University Learning Goals****Undergraduate Learning Goals:**

Competence in the disciplines  
 Knowledge of human cultures and the physical and natural world  
 Intellectual and practical skills  
 Personal and social responsibility  
 Integrative learning

**Program Learning Outcomes****Program Learning Outcomes**

Learning Outcome
Describe foundational concepts and patterns in physical and human geography.
Describe the history of Geography as an academic discipline, and give examples of its contemporary models, approaches, and theories.
Communicate geographic concepts in written documents, including the results of one's own analyses, to professional and lay audiences.
Communicate geographic concepts using a variety of oral modes, including in discussions and presentations, to professional and lay audiences.
Analyze and evaluate scholarly writing within Geography.
Apply geographic data collection, display, and analytical techniques in the evaluation of spatial information.
Analyze spatial datasets using maps and graphs.
Act with professional integrity and employ the ethical standards within Geography in interactions with other professionals.
Synthesize geographic models, data, and methodologies in research design.

**Will this program be required as part of a teaching credential program, a single subject, or multiple subject waiver program (e.g., Liberal Studies, Biology) or other school personnel preparation program (e.g., School of Nursing)?**

No

**Do these changes impact the Smart Planner roadmap?**

Yes

**Please attach the Smart Planner roadmap:**

2018\_GEOG\_Physical Concentration BA.docx

**Briefly describe the change:**

The road map was slightly modified to reflect changes in the number of courses needed to satisfy concentration vs. core requirements and to create consistency between all concentration roadmaps.

**Catalog Description:**

**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.

As defined by policy <http://www.csus.edu/umannual/acadaff/fsm00010.htm>, a change in units constitutes a substantive change to the program. If your changes constitute a substantive change, please refer back to the "Program Change Type" field above to ensure that "Substantive" is selected.

**Program Requirements: (If new courses are being created as part of a new program, it will be useful to propose courses first.)**

**Program Requirements**

Code	Title	Units
<b>Lower Division Core (10 Units)</b>		
GEOG 1	Physical Geography: The Distribution of Natural Phenomena <sup>1</sup>	3
GEOG 2	Cultural Geography <sup>1</sup>	3
GEOG 3	Introduction to Maps and Geographic Technologies	3
GEOG 11	Laboratory in Physical Geography <sup>1</sup>	1
<b>Upper Division Core (12 Units)</b>		
GEOG 102	Ideas and Skills in Geography	3
GEOG 109	Geographic Information Systems	3
GEOG 118	Earth Transformed	3
GEOG 190	Senior Research Seminar in Geography  <sup>1</sup>	3
<b>Regional Geography Core Elective</b>		<b>3</b>
Complete one of the following		
GEOG 121	United States and Canada	
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	
GEOG 133	Geography of the Middle East	
<b>Concentration (21 Units) <sup>2</sup></b>		
<i>Physical Geography Electives</i>		<b>15</b>
Complete five of the following		
GEOG 111	Elements Of Meteorology <sup>1</sup>	
GEOG 113	Climate <sup>1</sup>	
GEOG 115	Biogeography <sup>1</sup>	
GEOG 116	Global Climate Change <sup>1</sup>	
GEOG 117	Landforms	
GEOG 161	California's Water Resources	
GEOG 193C	Field Geography: Physical	
<i>Human Geography Elective</i>		<b>3</b>
Complete one of the following		
GEOG 141	Geography of Economic Activity	
GEOG 142	Feminist Geography	
GEOG 143	Environmental Hazards and Society	
GEOG 144	Transforming the City	
GEOG 145	Population Geography <sup>1</sup>	

GEOG 147	Urban Geography	
GEOG 148	Urban and Regional Planning	
GEOG 149	Transportation Geography	
<i>Techniques Elective</i>		3
Complete one of the following		
GEOG 105	Cartography	
GEOG 107	Remote Sensing	
GEOG 110	Advanced Geographic Information Systems	
GEOG 150	Programming for GIS	
GEOG 151	Programming for GIS II	
GEOG 155	GIS Data Acquisition and Management	
GEOG 163	Applied GIS	
GEOG 181	Quantitative Methods in Geography	
GEOG 182	Qualitative Methods in Geography	
GEOG 193A	Field Geography: Urban-Metropolitan	
GEOG 193B	Field Geography: Suburban-Rural	
<b>Total Units</b>		<b>46</b>

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

<sup>2</sup> Sections of GEOG 195A or GEOG 199 with sufficient units and focused on relevant content may be substituted for a concentration course requirement with the consent of the major advisor and department chair.

## General Education Requirements <sup>1</sup>

Code	Title	Units
<b>Area A: Basic Subjects (9 Units)</b>		
A1	Oral Communication	3
A2	Written Communication	3
A3	Critical Thinking	3
<b>Area B: Physical Universe and Its Life Forms (6-9 Units)</b>		
B1	Physical Science <sup>2</sup>	0
B2	Life Forms	3
B3	Lab (Note: Lab experience to be taken with one of the following: B1, B2 or B5) <sup>2</sup>	0
B4	Math Concepts	3
B5	Additional Course (Any B to reach 12 units) - Take upper-division course to complete Area & upper division requirements. <sup>3</sup>	0 - 3
<b>Area C: Arts and Humanities (12 Units)</b>		
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
<b>Area D: The Individual and Society (6 Units)</b>		
Area D Course		3
Area D Course <sup>2</sup>		0
Area D Course - Take upper-division course to complete Area & upper division requirements. <sup>4</sup>		3
<b>Area E: Understanding Personal Development (3 Units)</b>		
Area E Course		3
<b>Area F: Ethnic Studies (3 Units)</b>		
Area F Course		3
<b>Total Units</b>		<b>39-42</b>

<sup>1</sup> 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](mailto:advising@csus.edu)).

<sup>2</sup> Required in Major; also satisfies GE.

<sup>3</sup> Students can complete Area B5 by taking GEOG 111, GEOG 113, GEOG 115, or GEOG 116 in their Physical Geography Electives.

<sup>4</sup> Students can complete Area D by taking GEOG 145 in their Human Geography Electives.

## Graduation Requirements <sup>1</sup>

Code	Title	Units
<b>Graduation Requirements (required by CSU) (6 Units)</b>		
	American Institutions: U.S. History	3
	American Institutions: U.S. Constitution & CA Government	3
	Writing Intensive (WI) <sup>2</sup>	0
<b>Graduation Requirements (required by Sacramento State) (12 Units)</b>		
	English Composition II	3
	Race and Ethnicity in American Society (RE)	3
	Foreign Language Proficiency Requirement <sup>3</sup>	6

<sup>1</sup> 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](mailto:advising@csus.edu)).

<sup>2</sup> Required in Major; also satisfies Graduation Requirement.

<sup>3</sup> 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>)

## Fiscal Impact to Change an Existing Program

**Indicate programmatic or fiscal impact which this change will have on other academic units' programs, and describe the consultation that has occurred with affected units:**

We do not expect there to be any fiscal impacts on other units caused by this change.

**Provide a fiscal analysis of the proposed changes:**

We do not anticipate any fiscal impact from these changes.

**How will the above changes be accommodated within the department/College existing fiscal resources?**

We do not anticipate that these changes will alter the total number of courses offered or demand for instructors

**Will the proposed changes require additional resources?**

No

**What additional space, equipment, operating expenses, library, computer, or media resources, clerical/technical support, or other resources will be needed?**

None

**Estimate the cost and indicate how these resource needs will be accommodated:**

NA

**Reviewer Comments:**

**Mikkel Jensen (mikkel.jensen) (Wed, 04 Oct 2023 22:39:16 GMT):** Rollback: - Need to make sure the core courses match for all BA concentrations. Consider putting breath requirement into concentration, since they will be different for each of Physical Geography, Urban Planning, etc. - Also, as per EO 1071, the shared core requirements of all BA in Geography concentrations must make up at least 50% of each concentration's unit total, so when putting together the Form Bs, check that the shared core courses satisfy this requirement.

Key: 313