

# BA IN GEOGRAPHY (PHYSICAL GEOGRAPHY)

---

## In Workflow

1. GEOG Chair (tsk@csus.edu)
2. NSM College Committee Chair (tsk@csus.edu)
3. NSM Dean (datwyler@csus.edu)
4. Academic Services (torsetj@csus.edu;%20212408496@csus.edu;%20cnewsome@skymail.csus.edu)
5. Senate Curriculum Subcommittee Chair (curriculum@csus.edu)
6. Dean of Undergraduate (james.german@csus.edu;%20celena.showers@csus.edu)
7. Dean of Graduate (cnewsome@skymail.csus.edu)
8. Catalog Editor (212408496@csus.edu;%20torsetj@csus.edu;%20cnewsome@skymail.csus.edu)
9. Registrar's Office (wwd22@csus.edu;%20wlindsey@csus.edu;%20sac19595@csus.edu;%20danielle.ambrose@csus.edu;%20h.skocilich@csus.edu;%20205109584@csus.edu)

## Approval Path

1. Mon, 30 Sep 2019 23:44:52 GMT  
Thomas Krabacher (tsk): Approved for GEOG Chair
2. Wed, 02 Oct 2019 23:19:43 GMT  
Thomas Krabacher (tsk): Approved for NSM College Committee Chair
3. Thu, 03 Oct 2019 20:53:16 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

Date Submitted: Mon, 16 Sep 2019 17:43:25 GMT

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

**Last approved: Tue, 02 Oct 2018 20:23:13 GMT**

**Last edit: Fri, 11 Oct 2019 16:57:56 GMT**

Changes proposed by: Thomas Krabacher (101016405)

### Academic Group: (College)

Natural Sciences & Mathematics

### Academic Organization: (Department)

Geography

### Catalog Year Effective:

2020-2021 Catalog

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

Name (First Last)	Email	Phone 999-999-9999
Thomas Krabacher	krabacherts@csus.edu	916-278-6338

### Type of Program Proposal:

Major

### Program Change Type:

Non-Substantive

### 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:**

The proposal is a non-substantive changes that simply adds additional course to the list of options students may use the meet various major requirements. The added course are new ones added to the Geography Program's catalog of offerings in recent years as a result faculty changes within the Department. Enrollment impact will be minimal and since the courses are already in the existing catalog and are offered on a regular basis, no additional resources will be required.

**Objectives of the degree program:**

The BA in Geography with a concentration in Physical Geography provides students with a broad overview of the field of Geography as a whole, with a particular focus on earth systems and human impacts on them, including global climate change. Since the courses are already being offered in the class schedule the Department anticipates the changes will have no fiscal impact.

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

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

**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?**

No

**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.

**Note:**

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

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>Required Lower Division Core Courses (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	1
<b>Required Upper Division Core Courses (9 Units)</b>		
GEOG 102	Ideas and Skills in Geography	3
GEOG 118	Earth Transformed	3
GEOG 190	Senior Research Seminar in Geography <sup>1</sup>	3
<b>Geography Core (12 Units)</b>		
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	Geography 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

<sup>1</sup> 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:		
GEOG 111	Elements Of Meteorology <sup>1</sup>	12
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 <sup>2</sup>	
Select one additional technique course from the following:		
GEOG 105	Computer Cartography	3
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

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

<sup>2</sup> 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 <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 (9 Units)</b>		
	Area D Course	3
	Area D Course	3
	Area D Course <sup>2</sup>	0
	Area D Course - Take upper-division course to complete Area & upper division requirements.	3
<b>Area E: Understanding Personal Development (3 Units)</b>		
	Area E Course	3
Total Units		39-42

<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 115, or GEOG 116 in their Concentration Requirements.

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

Code	Title	Units
<b>Graduation Requirements (required by CSU) (9 Units)</b>		
	American Institutions: U.S. History	3
	American Institutions: U.S. Constitution & CA Government	3
	Writing Intensive (WI) <sup>2</sup>	3
<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.

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/wll/flgr/>

### **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:**

There will be none. Consultation was unnecessary since it the changes merely expand student options with in the major and do not place additional restrictions or demands on other programs.

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

The courses are already currently offered in the class schedule. No additional resources will be required.

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

There are no additional resource needs to be accommodated.

**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:**

None

Key: 313