

# BA IN GEOGRAPHY (METROPOLITAN AREA PLANNING)

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


## Program Description

The Bachelor of Arts in Geography with a concentration in Metropolitan Area Planning helps students understand how cities have evolved, with an emphasis on spatial patterns and the role of transportation in structuring settlements. The concentration provides students with skills for designing cities that address important issues such as sustainability, affordable housing and transportation, a strong civic life, and public health and safety.

**Note:**

- Every candidate must complete **all** of the Geography Core and **one** Concentration.
- Courses *cannot* double count for the core and the concentration.
- Students must take at least **FOUR** courses, with at least one each from Data Analysis and Data Output categories.

## 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 150	Programming for GIS	
GEOG 151	Programming for GIS II (Course proposal is being submitted concurrently with program change proposal.)	
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	

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

<b>Concentrations (18 Units)</b>	
Select a concentration from the following:	15
Geographic Information Systems and Analysis Concentration	
Human Geography Concentration	
Metropolitan Area Planning Concentration	
Physical Geography Concentration	
GEOG 182	Qualitative Methods in Geography 3
<b>Total Units</b>	<b>49</b>

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

## Concentration in Metropolitan Area Planning (15 units)

Code	Title	Units
GEOG 109	Geographic Information Systems	3
GEOG 148	Urban and Regional Planning	3
GEOG 141	Geography of Economic Activity	3
or GEOG 145	Population Geography	
GEOG 147	Urban Geography	3
or GEOG 149	Transportation Geography	
Select one of the following technique elective courses:		3
GEOG 105	Computer Cartography	
GEOG 107	Remote Sensing	
GEOG 110	Advanced Geographic Information Systems	
GEOG 150	Programming for GIS	
GEOG 151	Programming for GIS II (Course prtoposal submitted concurrent with program change proposal)	

GEOG 163	Applied GIS	
GEOG 181	Quantitative Methods in Geography	
GEOG 182	Qualitative Methods in Geography	
GEOG 193A	Field Geography: Urban-Metropolitan <sup>1</sup>	
GEOG 193B	Field Geography: Suburban-Rural <sup>1</sup>	
<b>Total Units</b>		<b>15</b>

<sup>1</sup> The technique cannot be a field course if a field course was taken for the core.

### Additional Recommended Courses

The courses below provide valuable additional knowledge and perspectives for students choosing the MAP concentration:

Code	Title	Units
ECON 132	State and Local Government Finance	3
ECON 180	Urban Economics	3
ENVS 122	Environmental Impact Analysis: CEQA and NEPA	3
GEOG 131	California	3
GEOG 161	California's Water Resources	3
HIST 163	The City in US History <sup>1</sup>	3
HIST 184/ ART 118B	California Architecture and Urban History	3
RPTA 154	Management of Recreation Facilities	3

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

## 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 (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.		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 (3-6 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>3</sup>		0 - 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 meet upper division Area D by taking HIST 163 in Additional Recommended Courses.

## 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>)