

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 |
|--|---|-------|
| 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 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 |

Concentrations (18 Units)

| | |
|---|----------------------------------|
| 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 |
| Total Units | 49 |

¹ 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 proposal 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 ¹ | |
| GEOG 193B | Field Geography: Suburban-Rural ¹ | |
| Total Units | | 15 |

¹ 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 ¹ | 3 |
| HIST 184/ ART 118B | California Architecture and Urban History | 3 |
| RPTA 154 | Management of Recreation Facilities | 3 |

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

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 (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 |
| 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 (3-6 Units) | | |
| Area D Course | | 3 |
| Area D Course ² | | 0 |
| Area D Course - Take upper-division course to complete Area & upper division requirements. ³ | | 0 - 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 meet upper division Area D by taking HIST 163 in Additional Recommended Courses.

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 |

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 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>)