



# Geography AA-T Degree

Geography is the science of place and space. Geographers study the relationships among geographic places, natural systems, society, cultural activities, and the interdependence of all these over space.

**Total Units: 58-60**

## First Year

### Semester 1

**13 Units**

| COURSE   | UNITS | PRE-REQS <sup>^</sup>                    | SEMESTERS OFFERED* | GE AREA             |
|--|-------|--|--------------------|---------------------|
| <b>GEOG 300</b> <sup>Z</sup><br>Physical Geography:<br>Exploring Earth's<br>Environmental<br>Systems | 3     | Advisory:<br>co-req<br>GEOG 301          | F, S               | Cal-GETC Area<br>5A |
| <b>GEOG 301</b> <sup>Z</sup><br>Physical Geography<br>Laboratory                                     | 1     | Pre or co-<br>req: GEOG<br>300           | F, S               | Cal-GETC Area<br>5C |
| <b>3 units from List A</b> <sup>1</sup>  | 3     | See List A                               | See List A         |                     |
| <b>CalGETC Area 1A-<br/>English Composition</b> <sup>Z</sup>   | 3     | Recommend<br>meeting with<br>a counselor | F, S, Su           | Cal-GETC Area<br>1A |
| <b>CalGETC Area 1C-<br/>Oral Communication</b> <sup>Z</sup>  | 3     |  | F, S, Su           | Cal-GETC Area<br>1C |

<sup>Z</sup> At least one section of this course is offered with free textbooks and is labeled as zero textbook costs (ZTC). If it is a GE area class or elective, there may be several ZTC offerings to fulfill the GE requirement. Use the Free Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

<sup>1</sup> Suggestion-GEOG 331 to meet the requirement for the Certificate in Field Data Mapping & GIS

### Semester 2

**15-16 Units**

| COURSE   | UNITS | PRE-REQS <sup>^</sup>                    | SEMESTERS OFFERED* | GE AREA             |
|--|-------|--|--------------------|---------------------|
| <b>GEOG 310</b> <sup>Z</sup><br>Human Geography:<br>Exploring Earth's<br>Cultural Landscapes | 3     |  | F(O), S(O)         | Cal-GETC Area<br>4  |
| <b>3 units from List B</b> <sup>1</sup>  | 3     | See List B                               | See List B         |                     |
| <b>CalGETC Area 1B-<br/>Critical Thinking</b> <sup>Z</sup>                                   | 3     |  | F, S, Su           | Cal-GETC Area<br>1B |
| <b>CalGETC Area 2-<br/>Math &amp; Quantitative<br/>Reasonings</b> <sup>2</sup> <sup>Z</sup>  | 3-4   | Recommend<br>meeting with<br>a counselor | F, S, Su           | Cal-GETC Area<br>2  |
| <b>CalGETC Area 3B-<br/>Humanities</b> <sup>Z</sup>  | 3     |  | F, S, Su           | Cal-GETC Area<br>3B |

## Career

### Options/Outlook:

Geographers study the nature and use of areas of the Earth's surface, relating and interpreting interactions of physical and cultural phenomena. Conduct research on physical aspects of a region, including landforms, climates, soils, plants, and animals, and research the spatial implications of human activities within a given area, including social characteristics, economic activities, and political organization, as well as researching interdependence between regions at scales ranging from local to global. **Career opportunities require more than two years of college study.**

### A sample of reported job titles:

Earth Observations Chief Scientist (NASA), Environmental Affairs Corporate Director, Geographic Information Systems Analyst (GIS Analyst), Geographic Information Systems Program Director (GIS Program Director), GIS Geographer (Geographic Information Systems Geographer), GIS Physical Scientist (Geographic Information Systems Physical Scientist), Research Coordinator, Scientist, Supervisory Geographer

### Projected job openings nationally (2021-2031):

100

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<sup>1</sup> Suggestion-ANTH 310 to meet the requirement for the Certificate in Field Data Mapping & GIS.

<sup>2</sup> Suggestion-PSYC 330, STAT 300 or ECON 310 from List B.

## Year 2

### Semester 3

15 Units

| COURSE  | UNITS | PRE-REQS <sup>^</sup> | SEMESTERS OFFERED* | GE AREA          |
|---|-------|-----------------------|--------------------|------------------|
| 3 units from List B <sup>1</sup>                  | 3     | See List B            | See List B         |                  |
| CalGETC Area 6- Ethnic Studies <sup>Z</sup>       | 3     |                       | F, S, Su           | Cal-GETC Area 6  |
| CalGETC Area 5B - Biological Science <sup>Z</sup> | 3     |                       | F, S, Su           | Cal-GETC Area 5B |
| Any Transferable Elective <sup>2</sup>            | 3     |                       | F, S, Su           |                  |
| Any transferable elective <sup>2</sup>            | 3     |                       |                    |                  |

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<sup>1</sup> Suggestion-GEOG 302 to meet the requirement for the Certificate in Field Data Mapping & GIS

<sup>2</sup> Suggestion-GEOL 300 to meet the requirement for the Certificate in Field Data Mapping & GIS. Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

<sup>3</sup> Suggestion-BIOL 350 or BIOL 352

### Semester 4

15-16 Units

| COURSE  | UNITS | PRE-REQS <sup>^</sup> | SEMESTERS OFFERED* | GE AREA          |
|---|-------|-----------------------|--------------------|------------------|
| 3 units from List A <sup>1</sup>                            | 3     | See List A            | See List A         |                  |
| CalGETC Area 3A- Arts <sup>Z</sup>                          | 3-4   |                       | F, S, Su           | Cal-GETC Area 3A |
| CalGETC Area 4- Social & Behavioral Sciences <sup>2 Z</sup> | 3     |                       | F, S, Su           | Cal-GETC Area 4  |
| Any Transferable Elective <sup>3</sup>                      | 3     |                       | F, S, Su           |                  |
| Any transferable elective <sup>3</sup>                      | 3     |                       | F, S, Su           |                  |

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## Median Salary in California with advanced degree (2021):

\$89,610/yr

### Source:

<https://www.onetonline.org/link/summary/19-3092.00>

### Transfer notes:

Please meet with a counselor for specific transfer course evaluation or transferring to a specific 4-year institution.

## With the inclusion of all the suggested courses noted

This map will meet the requirement for the Certificate of Achievement in Field Data Mapping and Geographic Information Systems (GIS). Students can choose 6 units from the following: GEOG 300, GEOG 302, GEOG 310, ANTH 300, ANTH 310, ANTH 323, BIOL 350, BIOL 352, or GEOL 300.

## General Education (GE)

Non-specified GE courses identified by CRC or Cal-GETC Area without pre- or co-requisites can be taken at any semester.

### Honors option:

The CRC Honors Program is designed specifically for academically accomplished students and for students with the potential for high achievement. Students who complete 15 units or more in honors-designated courses will earn special recognition as an Honors Scholar, a distinction that may entitle the student to guaranteed transfer and scholarship opportunities at select transfer colleges and universities.

Textbook filter to find these courses. Learn more on the [ZTC page of the college website](#).

^You must have passed the prerequisite course(s) with a "C" or better; Corequisite must be taken during the same semester; Advisory means it is recommended but not required to enroll in the course.

\*(O) = online available (P) = partially available

<sup>1</sup> Suggestion-GEOG 335 to meet the requirement for the Certificate in Field Data Mapping & GIS. Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

<sup>2</sup> From a discipline outside of GEOG to meet Area 4 requirements.

<sup>3</sup> Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

## List A-a minimum of 6 units from the following:

| COURSE   | UNITS | PRE-REQS^             | SEMESTERS OFFERED*                | GE AREA |
|--|-------|-----------------------|-----------------------------------|---------|
| <b>GEOG 306</b> <sup>Z</sup><br>Weather and Climate                            | 3     |                       | F(O)                              |         |
| <b>GEOG 320</b> <sup>Z</sup><br>World Regional Geography                       | 3     |                       | S(P)                              |         |
| <b>GEOG 322</b> <sup>Z</sup><br>Geography of California                        | 3     |                       | F                                 |         |
| <b>GEOG 331</b> <sup>Z</sup><br>Exploring Maps and Geographic Technologies     | 3     |                       | F(P)                              |         |
| <b>GEOG 335</b><br>Introduction to Geographic Information Systems Applications | 3     | Advisory:<br>CISC 302 | S                                 |         |
| <b>GEOG 391</b><br>Field Studies in Geography: Mountain Landscapes             | 1-4   |                       | Check Class Schedule for offering |         |
| <b>GEOG 392</b><br>Field Studies in Geography: Coastal Landscapes              | 1-4   |                       | Check Class Schedule for offering |         |
| <b>GEOG 393</b><br>Field Studies in Geography: Arid Landscapes                 | 1-4   |                       | Check Class Schedule for offering |         |
| <b>GEOG 394</b><br>Field Studies in Geography: Volcanic Landscapes             | 1-4   |                       | Check Class Schedule for offering |         |

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## List B-a minimum of 6 units from the following (or any from List A not taken):

| COURSE | UNITS | PRE-REQS^ | SEMESTERS OFFERED* | GE AREA |
|--------|-------|-----------|--------------------|---------|
|--------|-------|-----------|--------------------|---------|

## About this program map:

This program map represents one possible pathway to complete the program. Please see a counselor to create an education plan customized to meet your needs. This map is not a guarantee of course availability or financial aid applicability.

## Zero Textbook Costs (ZTC):

The Zero Textbook Costs designation and logo are added to any course that provides free access to all required instructional materials. These are typically shared with students through Canvas. Courses that are designated as ZTC may still require students to purchase supplemental materials such as lab coats, a calculator, art supplies, etc. See full definitions and searching tips on the [Zero Textbook Costs page](#) of the college website.

| COURSE   | UNITS | PRE-REQS <sup>^</sup>                     | SEMESTERS OFFERED*   | GE AREA |
|--|-------|---|----------------------|---------|
| <b>ANTH 310</b> <sup>Z</sup><br>Cultural Anthropology                                      | 3     | Advisory:<br>Eligible for<br>ENGWR<br>300 | F(O), S(O),<br>Su(O) |         |
| <b>GEOG 302</b> <sup>Z</sup><br>Environmental Studies &<br>Sustainability                  | 3     |   | F, S                 |         |
| <b>GEOG 305</b> <sup>1</sup> <sup>Z</sup><br>Global Climate Change                         | 3     |   | F(P), S(P)           |         |
| <b>GEOL 300</b> <sup>Z</sup><br>Physical Geology   | 3     | Advisory:<br>co-req:<br>GEOL 301          | F, S                 |         |
| <b>POLS 310</b><br>Introduction to International<br>Relations                              | 3     |   | F                    |         |
| <b>PSYC 330</b><br>Introductory Statistics for the<br>Behavioral Sciences <b>or</b>        | 3     |   | F, S                 |         |
| <b>STAT C1000E</b> <sup>Z</sup><br>Introduction to Probability<br>and Statistics <b>or</b> | 4     |   | F, S, Su             |         |
| <b>ECON 310</b> <sup>Z</sup><br>Statistics for Business and<br>Economics                   | 3     |   | F, S, Su             |         |

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<sup>1</sup> Also listed as BIOL 351.