



Geography A.S. Degree

Geographers study the linkages between human activity and natural systems. Geographers were, in fact, among the first scientists to sound the alarm that human-induced changes to the environment were beginning to threaten the balance of life itself. Geographers today are active in the study of diverse topics, such as global warming, desertification, deforestation, loss of biodiversity, groundwater pollution, flooding, origin and diffusion of disease, urban and regional planning, global trade, social problems (e.g., poverty, ethnic conflict), and many more.

Total Units: 60-63

First Year

Semester 1

16-17 Units

| COURSE | UNITS | PRE-REQS ^A | SEMESTERS OFFERED* | GE AREA |
|---|-------|------------------------------------|--------------------|-----------------|
| GEOG 300 ^Z Physical Geography: Exploring Earth's Environmental Systems | 3 | Advisory: co-req GEOG 301 | F, S | CRC Area IV |
| GEOG 301 ^Z Physical Geography Laboratory | 1 | Pre or Co-req: GEOG 300 | F, S | |
| GEOG 331 Exploring Maps and Geographic Technologies | 3 | | F(P) | CRC Area IV |
| PSYC 330 Introductory Statistics for the Behavioral Sciences or | 3 | MATH 120 | F, S | CRC Area II(b) |
| STAT 300 ^Z Introduction to Probability and Statistics or | 4 | MATH 120, 125 or STAT 100 | F, S, Su | CRC Area II(b) |
| ECON 310 ^Z Statistics for Business and Economics | 3 | MATH 120 or 125 | F, S, Su | CRC Area II(b) |
| CRC Area II(a)-Written Communication ^Z | 3 | Recommend meeting with a counselor | F, S, Su | CRC Area II(a) |
| CRC Area III(b)-Life Development Skills ^Z | 3 | | F, S, Su | CRC Area III(b) |

^Z 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](#).

Semester 2

15 Units

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 an associate degree.**

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

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED* | GE AREA |
|--|-------|-----------------------|--------------------|---------------------|
| GEOG 310 ^Z Human Geography: Exploring Earth's Cultural Landscapes | 3 | | F(O), S(O) | CRC Area V(b) or VI |
| 3 units from List A ¹ | 3 | See List A | See List A | |
| 3 units from List A | 3 | See List A | See List A | |
| CRC Area I- Humanities ² ^Z | 3 | | F, S, Su | CRC Area I |
| Elective ³ | 3 | | F, S, Su | |

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¹ Suggestion-GEOG 335 Intro to Geographic Info Sys Applications (3 unit); Advisory: CISC 302; S.

² Suggestion-See List A for courses that meets this GE Area.

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

Projected growth nationally (2021-2031):

0% no change

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.

Year 2

Semester 3

15 Units

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED* | GE AREA |
|---|-------|-----------------------|--------------------|---------------|
| CRC Area V(b)-Social & Behavioral Sciences ¹ ^Z | 3 | | F, S, Su | CRC Area V(b) |
| Elective ² | 3 | | F, S, Su | |
| Elective ³ | 3 | | F, S, Su | |
| Elective ⁴ | 3 | | F, S, Su | |
| Elective ⁴ | 3 | | F, S, Su | |

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¹ Suggestion-GEOG 302 to meet the requirement for the Certificate in Field Data Mapping & GIS.

² Suggestion-GEOG 39X any of the field study in GEOG. Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

³ Suggestion-GEOL 300 to meet 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.

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.

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.

⁴ Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

Semester 4

14-16 Units

| COURSE | UNITS | PRE-REQS [^] | SEMESTERS OFFERED [*] | GE AREA |
|--|-------|-----------------------|--------------------------------|-----------------|
| CRC Area III(a)-Physical Edu Activity Z | 1 | | F, S, Su | CRC Area III(a) |
| CRC Area V(a)-American Institutions 1 Z | 3 | | F, S, Su | CRC Area V(a) |
| Elective² | 3 | | F, S, Su | |
| Elective³ | 3 | | F, S, Su | |
| Elective⁴ | 3 | | F, S, Su | |
| Elective⁴ | 1-3 | | F, S, Su | |

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[^]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 online

¹ Suggestion-HIST 371 from List A.

² Suggestion-GEOG 335 to meet the requirement for the Certificate in Field Data Mapping & GIS.

³ Suggestion-GEOG 305. Units needed to total 60 units for graduation. Refer to [Course Number](#) for the appropriate course level necessary for the degree.

⁴ Units needed to meet the 60 units graduation requirement. Units required are determined by the number of 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 |
|--|-------|--|--------------------------------|---------------------|
| ANTH 310 Z Cultural Anthropology | 3 | Advisory: Eligible for ENGWR 300 | F(O), S(O), Su(O) | CRC Area V(b) or VI |
| BIOL 308 Z Contemporary Biology or | 3 | Advisory: ESLR 320 & ESLW 310 of ESL 325 or eligible for ENGRD 310 & ENGWR 101 | F, S, Su | CRC Area IV |

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^ | SEMESTERS OFFERED* | GE AREA |
|--|-------|--|-----------------------------------|---------------------|
| BIOL 350 Environmental Biology | 3 | Advisory: ENGRD 312 & ENGWR 101 | Check Class Schedule for offering | CRC Area IV |
| ECON 304 ^Z Principles of Microeconomics or | 3 | MATH 100 or 102 or 1 yr HS Elem Alg; Advisory: MATH 120 or 125 | F(O), S(O), Su(O) | CRC Area V(b) |
| ECON 302 ^Z Principles of Macroeconomics | 3 | MATH 100 or 102 or 1 yr HS Elem Alg; Advisory: MATH 120 or 125 | F(O), S(O), Su(O) | CRC Area V(b) |
| GEOG 302 ^Z Environmental Studies & Sustainability | 3 | | F, S | CRC Area V(b) |
| GEOG 305 ^Z Global Climate Change | 3 | | F(P), S(P) | CRC Area IV |
| GEOG 306 ^Z Weather and Climate | 3 | Advisory: MATH 30 or equivalent | F(O) | CRC Area IV |
| GEOG 320 ^Z World Regional Geography | 3 | | S(P) | CRC Area V(b) or VI |
| GEOG 322 Geography of California | 3 | | F | CRC Area V(b) or VI |
| GEOG 335 Introduction to Geographic Information Systems Applications | 3 | Advisory: CISC 302 | S | |
| GEOG 391 Field Studies in Geography: Mountain Landscapes | 1-4 | | Check Class Schedule for offering | |
| GEOG 392 Field Studies in Geography: Coastal Landscapes | 1-4 | | Check Class Schedule for offering | |
| GEOG 393 Field Studies in Geography: Arid Landscapes | 1-4 | | Check Class Schedule for offering | |
| GEOG 394 Field Studies in Geography: Volcanic Landscapes | 1-4 | | Check Class Schedule for offering | |

| COURSE | UNITS | PRE-REQS^ | SEMESTERS OFFERED* | GE AREA |
|---|-------|---|---|------------------|
| GEOL 300 ^Z Physical Geology | 3 | Advisory: co-req GEOL 301 | F, S | CRC Area IV |
| GEOL 301 ^Z Physical Geology Laboratory | 1 | Co-req: GEOL 300 | F S | |
| GEOL 330 ^Z Introduction to Oceanography | 3 | | Check Class Schedule for offering | CRC Area IV |
| HIST 371 History of the Americas from the 19th Century Wars of Independence to the Present or | 3 | Advisory: ENGWR 300 | S | CRC Area V(a) |
| HIST 370 History of the Americas through the 19th Century Wars of Independence or | 3 | Advisory: ENGWR 300 | F | CRC Area V(b) |
| HIST 360 History of African Civilizations or | 3 | Advisory: eligible for ENGWR 300 | Check Class Schedule for offering | CRC Area V(b) |
| HIST 307 History of World Civilizations to 1500 or | 3 | Advisory: eligible for ENGWR 300 | F | CRC Area V(b) |
| HIST 308 History of World Civilizations, 1500 to Present | 3 | Advisory: eligible for ENGWR 300 | S | CRC Area V(b) |
| HUM 320 Asian Humanities or | 3 | | F, S | CRC Area I & VI |
| HUM 324 Global Islam: Culture and Civilization or | 3 | | Check Class Schedule for offering | CRC Area I |
| HUM 332 American Humanities | 3 | | F, S | CRC Area I |
| PHIL 352 ^Z Introduction to World Religions | 3 | | F, S, Su | CRC Area I or VI |
| POLS 310 Introduction to International Relations | 3 | Advisory: ENGWR 101 | F | CRC Area V(b) |
| SOC 300 ^Z Introductory Sociology | 3 | | F(O), S(O), Su | CRC Area V(b) |

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