### Geographic Foundation (14-18 units)
The following six foundation courses are required:

- GEOG 105 (3) Human Geography
- GEOG 106 (3) Physical Geography
- GSP 101 (2) Geospatial Concepts
- GSP 101L (1) Geospatial Concepts Lab
- GEOG 310L (1) Geographic Research Lab
- Select one methodology course:
  - GEOG 311 (3) Geographic Research & Writing
  - ESM 230† (3) Environmental Methods*  
    *Prereq: STAT 108 (3) or STAT 108i (3) and STAT 8 (1) or STAT 109 (4)

### Regional Synthesis (3-4 units)
Select one of the regional courses below:

- GEOG 309 (3) The Silk Road
- GEOG 319 (4) Emergence of the Modern Middle East
- GEOG 322 (3) California
- GEOG 332 (3) Geog. of the Mediterranean
- GEOG 335 (3) Geog. of the Middle East
- GEOG 344 (3) South America
- GEOG 375 (3) Tibet and the Himalaya
- GEOG 472 (3) Topics in Reg. Geography

### Systematic Geography (18-22 units)
Six systematic geography courses are required, including one course from each of the systematic emphasis areas (the Human World, the Physical Environment, Geospatial Systems). Students are encouraged to specialize in one area of systematic geography by taking at least two of the remaining three required systematic courses in one emphasis area.

### The Human World
- GEOG 300 (3) Global Awareness
- GEOG 301 (3) International Environmental Issues & Globalization
- GEOG 304 (3) Migrations & Mosaics
- GEOG 360 (3) Geography of the World Economy
- GEOG 363 (3) Political Geography
- GEOG 365 (4) Political Ecology
- GEOG 470 (3) Topics in Geography for Teachers
- GEOG 471 (3) Topics in Systematic Geography

### The Physical Environment
- GEOG 302 (3) Global Ecology and Biogeography
- GEOG 352 (3) Regional Climatology
- GEOG 353 (3) Mountain Geography
- GEOG 357 (3) Climate Change, Ecosystems, and People
- GEOG 473 (3) Topics in Advanced Physical Geography

### Geospatial Systems
- GSP 216 (3) Intro to Remote Sensing
- GSP 270 (3) Geographic Information Science (GIS)
- GSP 316 (4) Cartography
- GSP 318 (3) Introduction to Geospatial Programming
- GSP 326 (3) Intermediate Remote Sensing
- GSP 370 (3) Intermediate GIS
- GSP 416 (4) Advanced Cartography Design Seminar

### Depth Experience (2 units)
Select a minimum of two upper division depth experience courses:

- GEOG 300M (1) Global Awareness D.E.
- GEOG 302M (1) Global Ecology and Biogeography D.E.
- GEOG 304M (1) Migrations & Mosaics D.E.
- GEOG 322M (1) California D.E.
- GEOG 332M (1) Geog. Mediterranean D.E.
- GEOG 344M (1) South America D.E.
- GEOG 352M (1) Regional Climatology D.E.
- GEOG 353M (1) Mountain Geography D.E.
- GEOG 357M (1) Climate Change, Ecosystems, and People D.E.
- GEOG 360M (1) Geography of the World Economy D.E.
- GEOG 361M (1) Settlement Geography D.E.
- GEOG 363M (1) Political Geography D.E.

*Recommended for students who wish to specialize in the physical environment.*
GEOG 471M (1) Topics in Systematic Geography D. E.
GEOG 472M (1) Topics in Regional Geography D. E.
GEOG 473M (1) Topics in Physical Geography D. E.

**Senior Capstone (4 units)**

The following capstone course is required.
GEOG 411 (4) Senior Field Research

**REQUIREMENTS FOR THE MINOR**

Students must earn a minimum grade of C- in all required courses for the minor.

Take two of the following three options within the geographic foundation (6 units).

- GSP 101 (2) Geospatial Concepts
- GSP 101L (1) Geospatial Concepts Lab
- GEOG 105 (3) Human Geography
- GEOG 106 (3) Physical Geography

Plus at least three upper division electives via written contract with the department chair.