BACHELOR OF ARTS IN GEOGRAPHY

Geographers study physical and biological environments, human societies and their spatial interactions, and utilize both environmental science and social science perspectives. Geographers seek to analyze the processes, spatial patterns and consequences of human-environment interaction, and address issues of sustainability, using maps, fieldwork and geospatial technologies such as GIS to solve real-world problems. Areas of study within geography include Resource Management (http://geog.sfsu.edu/focusresman), Physical Geography (http://geog.sfsu.edu/focusphysical), Environmental Studies (http://geog.sfsu.edu/focusenvstudy), Methods of Geographic Analysis, Human Geography (http://geog.sfsu.edu/focushuman), and Urban and Land Use Planning (http://geog.sfsu.edu/focusplanning). The undergraduate major core courses introduce foundational concepts in physical and human geography, as well as field methods and geographic information science. An upper division distribution requirement gives students more focused work in physical geography, human geography, regional geography, and applied geography or methods. Each student also develops a 12-unit set of electives related to a coherent theme based on their career goals.

Geography (B.A.) – Minimum 39 Units

Required Core Courses (12 Units)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 101</td>
<td>Our Physical Environment</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 102</td>
<td>The Human Environment</td>
<td>3</td>
</tr>
<tr>
<td>or GEOG 107</td>
<td>World Regions and Interrelations</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 205</td>
<td>Geographic Techniques</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 500GW</td>
<td>Physical and Human Dimensions of Climate Change - GWAR</td>
<td>3</td>
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</tbody>
</table>

Capstone (3 Units)

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 690</td>
<td>Senior Seminar in Geography and Environmental Science</td>
<td>3</td>
</tr>
</tbody>
</table>

Distribution Requirement (12–15 Units)

(Cross-listed courses originating in other departments are not accepted in these categories.)

One course from each of the following four areas:

- Physical Environment – 310–399 numbered courses in Geography
- Human Geography – 400 level courses in Geography
- Human-Environment Interaction in a Regional Context
- Economic Geography
- Agriculture and Food Supply
- Transforming Food and Agriculture Systems: Local to Global
- Urban Geography
- Geographies of Health and Health Care
- Geopolitics and Globalization
- San Francisco on Foot
- Geography of Ethnic Communities
- Select a 500 level course

* Either Geographic Techniques – 601–639 numbered courses in Geography or Applied Geography – 640–668 numbered courses in Geography

Focus of Interest (12 units)

Units of upper division geography electives consisting of a minimum of three courses chosen on advisement. These courses will be organized around coherent themes such as those listed below. In addition, alternative concentrations tailored to individual student interest may be developed in consultation with the Geography undergraduate advisor. On advisement, appropriate upper division courses from other departments and programs may be included.

- Human Geography
- Environmental Studies
- Physical Environment
- Resource Management
- Techniques of Geographic Analysis
- Urban Environment, Transportation, and Land Use
- Focused individual interest pursued in consultation with the undergraduate advisor

Notes

1. A minimum of 40 upper division units must be completed for the degree (including upper division units required for the major, general education, electives, etc.). A student can complete this major yet not attain the necessary number of upper division units required for graduation. In this case, additional upper division courses will be needed to reach the required total.

2. Students are advised that the CR grade is acceptable in any two courses to be counted for the geography major. No more than one course counted toward major requirements may be completed with a grade less than a C-.

Foci of Interest

Focus on Human Geography

In addition to serving traditional liberal arts education, this option permits systematic study within cultural geography.

<table>
<thead>
<tr>
<th>Code</th>
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<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 422</td>
<td>Environmental Perception</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/WGS 423</td>
<td>Geographic Perspectives on Gender, Environment, and Development</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 425</td>
<td>Economic Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 427</td>
<td>Agriculture and Food Supply</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 430</td>
<td>Transforming Food and Agriculture Systems: Local to Global</td>
<td>4</td>
</tr>
<tr>
<td>GEOG/USP 432</td>
<td>Urban Geography</td>
<td>4</td>
</tr>
<tr>
<td>GEOG/H ED 434</td>
<td>Geographies of Health and Health Care</td>
<td>3</td>
</tr>
<tr>
<td>GEOG/I R 445</td>
<td>Geopolitics and Globalization</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 454</td>
<td>San Francisco on Foot</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 455</td>
<td>Geography of Ethnic Communities</td>
<td>3</td>
</tr>
</tbody>
</table>

Select a 500 level course

Focus on Environmental Studies

This focus provides students with an opportunity to learn about environmental processes and issues arising from human activities on our planet.
Courses central to this specialization include:

A central theme in geography is the use and abuse of natural resources.

Focus on Resource Management
A central theme in geography is the use and abuse of natural resources.

Courses central to this specialization include:

Fields of study:

Focus on Urban Environment, Transportation, and Land Use
This specialization offers an opportunity to acquire foundation knowledge to prepare for entry level careers and graduate work. Key courses include:

Focus on the Physical Environment
This focus offers a chance to study physical patterns and processes involving landforms, climate, biogeography, soils, and water.

Courses central to the specialization include:

Focus on Techniques of Geographic Analysis
This option concentrates on technical skills:

Supplementary courses in Earth & Climate Sciences and Biology are recommended on advisement.

Focintechnicalskills:
Bachelor of Arts in Geography

GEOG/USP 651  San Francisco Bay Area Environmental Issues  4
GEOG/USP 652  Environmental Impact Analysis  4
GEOG/USP 658  Land-Use Planning  4
GEOG 666  Geography of Garbage: Recycling and Waste Reduction  3
GEOG 667/USP 515  Environmental Justice: Race, Poverty, and the Environment  4

Upper division courses in Urban Studies are particularly appropriate as well.

Focus based on individual interests
This focus may be pursued in consultation with a geography major advisor.

Code  Title  Units
highly recommended courses
GEOG 603  Introduction to Geographic Information Systems  3
GEOG 688  Geographic Internship  2-6

Complementary Studies
All Bachelor of Arts students must complete 12 units of complementary studies in courses outside the primary prefix for the major, and not cross-listed with the primary prefix for the major. Students who complete two majors or a major and a minor automatically complete the complementary studies requirement.

An additional way to satisfy the complementary studies requirement for students in the geography major is to meet with an advisor to identify courses other than GEOG, that would serve to complement each student's area of interest. Four units from complementary studies will also double-count toward units in the major.

Students who have earned AA-T or AS-T degrees and are pursuing a similar B.A. degree at SF State are required to fulfill the Complementary Studies requirement as defined by the major department. Students should consult with a major advisor about how transfer units and/or SF State units can best be applied to this requirement in order to ensure degree completion within 60 units.

General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Level</th>
<th>Units</th>
<th>Area Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral Communication</td>
<td>LD</td>
<td>3</td>
<td>A1</td>
</tr>
<tr>
<td>Written English Communication I</td>
<td>LD</td>
<td>3</td>
<td>A2</td>
</tr>
<tr>
<td>Critical Thinking</td>
<td>LD</td>
<td>3</td>
<td>A3</td>
</tr>
<tr>
<td>Physical Science</td>
<td>LD</td>
<td>3</td>
<td>B1</td>
</tr>
<tr>
<td>Life Science</td>
<td>LD</td>
<td>3</td>
<td>B2</td>
</tr>
<tr>
<td>Lab Science</td>
<td>LD</td>
<td>1</td>
<td>B3</td>
</tr>
<tr>
<td>Mathematics/Quantitative Reasoning</td>
<td>LD</td>
<td>3</td>
<td>B4</td>
</tr>
<tr>
<td>Arts</td>
<td>LD</td>
<td>3</td>
<td>C1</td>
</tr>
<tr>
<td>Humanities</td>
<td>LD</td>
<td>3</td>
<td>C2</td>
</tr>
<tr>
<td>Arts or Humanities</td>
<td>LD</td>
<td>3</td>
<td>C1 or C2</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>LD</td>
<td>3</td>
<td>D1</td>
</tr>
</tbody>
</table>

Social Sciences:  LD  3  D2
US History  3  D2
US & CA Government  3  D3
Lifelong Learning and Self-Development (LLD)  3  E
Physical and/or Life Science  UD  3  UD-B
Arts and/or Humanities  UD  3  UD-C
Social Sciences  UD  3  UD-D

SF State Studies
Courses certified as meeting the SF State Studies requirements may be upper or lower division in General Education (GE), a major or minor, or an elective.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course Level</th>
<th>Units</th>
<th>Area Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Ethnic and Racial Minorities</td>
<td>LD or UD</td>
<td>3</td>
<td>AERM</td>
</tr>
<tr>
<td>Environmental Sustainability</td>
<td>LD or UD</td>
<td>3</td>
<td>ES</td>
</tr>
<tr>
<td>Global Perspectives</td>
<td>LD or UD</td>
<td>3</td>
<td>GP</td>
</tr>
<tr>
<td>Social Justice</td>
<td>LD or UD</td>
<td>3</td>
<td>SJ</td>
</tr>
</tbody>
</table>

Note: LD = Lower-Division; UD = Upper-Division.

First-Time Student Roadmap (4 Year)
Find the correct roadmap (A, B, C, or D):

1. Select the row that matches your English Course choice for A2.*
2. Select the column that matches your QR Category (found at your student center under Math Alert).
3. Click the Roadmap that lines up with your row and column.

For example, if you are taking ENG 104 as your first English course and your student center math alert says you are QR Category III, you should choose Roadmap D.

Pathway  QR Cat I/II  QR Cat III/IV
General Advising Information for Transfer Students

1. Before transfer, complete as many lower-division requirements or electives for this major as possible.
2. The following courses are not required for admission but are required for graduation. Students are strongly encouraged to complete these units before transfer; doing so will provide more flexibility in course selection after transfer.
   - a course in U.S. History
   - a course in U.S. & California Government

For information about satisfying the requirements described in (1) and (2) above at a California Community College (CCC), please visit http://www.assist.org. Check any geographically accessible CCCs; sometimes options include more than one college. Use ASSIST to determine:
   - Which courses at a CCC satisfy any lower-division major requirements for this major;

Remedial courses are not transferable and do not apply to the minimum 60 units/90 quarters required for admission.

Additional units for courses that are repeated do not apply to the minimum 60 units required for upper-division transfer (for example, if a course was not passed on the first attempt or was taken to earn a better grade).

Before leaving the last California Community College of attendance, obtain a summary of completion of lower-division General Education units (IGETC or CSU GE Breadth). This is often referred to as a GE certification worksheet. SF State does not require delivery of this certification to Admissions, but students should retain this document for verifying degree progress after transfer.

Credit for Advanced Placement, International Baccalaureate, or College-Level Examination Program courses: AP/IB/CLEP credit is not automatically transferred from the previous institution. Units are transferred only when an official score report is delivered to SF State. Credit is based on the academic year during which exams were taken. Refer to the University Bulletin in effect during the year of AP/IB/CLEP examination(s) for details regarding the award of credit for AP/IB/CLEP.

Students pursuing majors in science, technology, engineering, and mathematics (STEM) disciplines often defer 6-9 units of lower-division general education in Areas C and D until after transfer to focus on preparation courses for the major. This advice does not apply to students pursuing associate degree completion before transfer.

Transferring From Institutions Other Than CCCs or CSUs

Review SF State’s lower-division General Education requirements. Note that, as described below, the four basic skills courses required for admission meet A1, A2, A3, and B4 in the SF State GE pattern. Courses that fulfill the remaining areas of SF State’s lower-division GE pattern are available at most two-year and four-year colleges and universities.

Of the four required basic skills courses, a course in critical thinking (GE A3) may not be widely offered outside the CCC and CSU systems. Students should attempt to identify and take an appropriate course no later than the term of application to the CSU. To review more information about the A3 requirement, please visit http://bulletin.sfsu.edu/undergraduate-education/general-education/lower-division/AAael.

Waiting until after transfer to take a single course at SF State that meets both US and CA/local government requirements may be an appropriate option, particularly if transferring from outside of California.
All Students Must Meet the Transfer Eligibility Requirements Outlined Below for Admission.

For more information, visit the Undergraduate Admissions section (bulletin.sfsu.edu/undergraduate-admissions).

- Complete 60 or more transferable semester units or 90 or more quarter units
- Earn a college grade point average of 2.0 or better in all transferable courses. Non-local area residents may be held to a higher GPA standard.
- Be in good standing at the last college or university attended
- Complete 30-semester units (45-quarter units) of general education, including four basic skills courses:
  a. One course in oral communication (same as CSU GE Area A1)
  b. One course in written composition (same as CSU GE Area A2)
  c. One course in critical thinking (same as CSU GE Area A3)
  d. One course in mathematics or quantitative reasoning (same as CSU GE Area B4)
- The four basic skills courses and a minimum of 60 transferable semester units (90-quarter units) must be completed by the spring semester prior to fall admission, or by the fall semester prior to spring admission. Earn a "C" or better grade in each basic skills course.