Geography, B.A.

DEPARTMENT

Department of Geography & City & Regional Planning

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Science Building, Room 182
559.278.2797
www.fresnostate.edu/socialsciences/geography

MN in Geography, Minor
BA in Geography, B.A.
MN in Meteorology, Minor
MN in Urban Studies, Minor
BS in City and Regional Planning, B.S.
CERT in Community and Regional Planning, Certificate of Adv Study - Continuing & Global Education

The world of the 21st century is a place where there are very complex interactions between an increasingly fragile environment and the people who make up the many varied and diverse cultures on it. Geographers are uniquely trained to "see the big picture" so that they can more fully understand these complex interactions of the environment and the many cultures of humankind.

The Geography Department offers a Bachelor of Arts degree in geography, a minor in geography, a minor in meteorology, and an interdisciplinary minor in urban studies. The geography course offerings support undergraduate preparation for careers in environmental study, teaching, weather, regional and urban planning, and preparation for graduate work.

Central to geographic inquiry is a concern with the human occupancy of the earth, the character of the human environment, and the interrelationships that link humans and the physical world. In sum, geography seeks to provide a broad understanding of the world, its people, and its problems. Geography seeks to provide applied specializations and technical skills that can address economic, social, and environmental problems at scales that range from local to global by employing a spatial framework for organizational purposes analogous to the chronological framework employed in history.

Geography integrates much information from the natural and social sciences and because of the diversity of subject matter from which it obtains data, offers a broad, liberal education applicable to many fields of employment.

The department offers a variety of courses that allow students to address different objectives. First, we provide, for both majors and non-majors alike, a greater understanding of the world as an element of a liberal education which has become an increasingly important component of a complete university education. Second, we provide courses that assure a depth of knowledge in subject matter and technique for majors and minors in geography. Third, we serve those students in related disciplines who wish to strengthen programs of study through a selection of courses in geography.

Although there are no options in the degree program, students may select courses that focus on various areas of study.

Examples of such focused study areas could include the following:

- **Geographic Studies**: Coursework for the student interested in the world and its spatial patterns. Traditional study which may lead to graduate work and a career in higher education, or with local, state, and federal agencies utilizing geographic analysis, including the use of geographic information systems (GIS).

- **Environmental Studies**: Coursework to develop competence in environmental techniques with particular emphasis on such topics as meteorology, pollution, environmental impact analysis, geographic information systems (GIS), and human-environment relationships may lead to graduate work in geography, or employment in various state and federal agencies dealing with environmental problems.

- **Urban and Regional Planning**: Coursework for the student interested in the study of how to create communities that balance new development and essential services, environmental protection and innovative change and which may lead to graduate work and a career with local or state agencies. Courses could cover a wide range of subjects including planning, environmental studies, legal issues, and geographic information systems (GIS).

Students must regularly consult with their academic adviser. Such consultation will facilitate course selection and enable the student to develop a program consistent with individual interests and needs.
Facilities
A laboratory facility is available for student use. The Urban Planning and Environmental Research Laboratory is a 32-station, state-of-the-art, computer laboratory used for instruction and research in urban planning, geographic information systems (GIS), environmental studies, remote sensing, and a variety of other applications.

REQUIREMENTS

Bachelor of Arts Degree Requirements

Geography Major
The Bachelor of Arts degree with a major in geography requires the completion of 120 units, at least 42 of which shall be in geography.

Major requirements (42 units)
Core courses (12 units)
GEOG 4, 5, 7, 30

Areas of Concentration (18 units)
Majors should complete 3 units in each area.
Atmospheric Sciences: GEOG 111, 112, 114, 115, 118
Environmental Studies: GEOG 127, 128, 135, 139T
Geographic Information Systems (GIS) and Remote Sensing: GEOG 140, 141, 142, 143, 149, 150, 151, 152
International Development Studies: GEOG 160, 161, 162, 163, 164, 165, 166, 167
Global and Regional Studies: GEOG 170T, 171T, 173, 174, 175T, 177T, 178, 179
Urban and Regional Planning: GEOG 181, 184, 187T

Approved geography electives (12 units)
Any geography courses

Additional requirements (3 units )
3 units from one of the following: IS 52 (with 52L), SOC 172

General Education requirements (51 units)

Electives and remaining degree requirements (24 units)*
(See Degree Requirements); may be used toward a double major or minor

Total (120 units)
*This total reflects the use of GEOG 4 in G.E. Breadth D3. Consult the department chair or faculty adviser for additional details and guidance on electives.

Advising Notes
1. No more than 3 units of GEOG 195 may be applied to the geography major.
2. No General Education Integration or Multicultural/International course offered by the Department of Geography may be used to satisfy the General Education requirements for geography majors.
3. CR/NC grading is not permitted in the geography major with the exception of GEOG 192 and 195.
4. General Education and elective units may be applied to a second major or a minor (see double major or departmental minor). Consult the appropriate department chair, program coordinator, or faculty adviser for further information.
5. Students must complete 40 upper-division units as part of the requirements to earn a B.A.
6. It is strongly recommended that students interested in professional careers in geography select the emphasis in Geographic Information Systems and Remote Sensing and complete a minor in a related field.
7. Students must regularly consult with their academic adviser. Such consultation will facilitate course selection and enable the student to develop a program consistent with individual interests and needs. Please consult with an adviser for guidance on electives.
8. The selection of electives within the major should be strongly influenced by career goals, interests in graduate study, and related matters. Whether one’s interest focuses on environmental protection, planning, cartography, GIS, locational analysis, or any one of a wide array of geographic competencies, the department can provide current applicable information. Inquiries are welcomed.

**FACULTY**

Instruction at introductory and advanced levels is conducted by a faculty whose teaching and research interests are diverse. All major facets of the discipline are represented as are a number of specializations, which include medical geography, economic studies of China, urban revitalization, political ecology of natural resource management, environmental monitoring using remote sensing, urban air quality, urban and regional planning, environmental planning, and climate change and global governance.

For faculty phone numbers and e-mail, see the campus directory.

For more on the faculty, see the faculty pages.

The faculty pages are updated by the department or program.

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<tr>
<th>Name</th>
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