

Geography Minor

Minor Requirements – Department of Geography

(August, 2005)

- Participation in the minor program is optional on the part of the student.
- A minimum of 18 credit hours must be taken in the minor area, including a minimum of 9 upper division.
- All course work applied to the minor must be completed with a grade of C- or better. No pass/fail work may be applied. The grade point average of all minor degree course work must equal 2.00 (C) or higher.
- Students pursuing an Individually Structured Major, or who are pursuing a major in Distributed Studies, will not be eligible to earn a minor.
- Students will be allowed to apply no more than 9 credit hours (including six 6 upper division) of transfer work toward a minor.
- Students may earn no more than 2 minors.
- Course work applied toward a minor may also be applied toward general education (core/college list) and major requirements.
- No specific concentration is required. However, students who do wish to focus on one area of geography should see the following suggested course lists:

Geography Courses Applicable to a Concentration in Human Geography

One of the following four courses -- GEOG 1982, 1992, 2002, 2412 -- are prerequisites to all upper division courses listed below. Additional prerequisites are listed.

GEOG 1982 World Regional Geography
GEOG 1992 Human Geographies
GEOG 2002 Geographies of Global Change
GEOG 2412 Environment and Culture
GEOG 3672 Gender and Global Economy**
GEOG 3682 Geography of International Development
GEOG 3812 Mexico, Central America, and the Caribbean***
GEOG 3822 Geography of China
GEOG 3862 Geography of Africa
GEOG 4023 Introduction to Quantitative Methods in Human Geography (Prereq: GEOG 3023)
GEOG 4292 Migration, Urbanization, and Development
GEOG 4622 City Life**
GEOG 4712 Political Geography
GEOG 4722 Field Methods in Human Geography***
(Prereq. 15 credit hours in human geography)
GEOG 4732 Population Geography
GEOG 4742 Environment and Peoples**
GEOG 4812 Environment and Development in South America** ***
(Recommended Prereq: GEOG 3812 or 3422)
GEOG 4822 Environment & Development in China**
GEOG 4892 Geography of Western Europe**

**core curriculum course

***course not scheduled academic years 05/06, 06/07, 07/08

Geography Courses Applicable to a Concentration in Environment-Society Relations

Two of the following four courses --GEOG 1982, 1992, 2002, 2412 -- are prerequisites to all upper-division courses listed below. Additional prerequisites may be listed.

GEOG 1001 Environmental Systems 1: Climate & Vegetation**
GEOG 1011 Environmental Systems 2: Landscapes & Water**
GEOG 1982 World Regional Geography
GEOG 1992 Human Geographies
GEOG 2002 Geographies of Global Change
GEOG 2412 Environment and Culture
GEOG 3251 Mountain Geography
GEOG 3301 Analysis of Climate and Weather Observations**
GEOG 3351 Biogeography
GEOG 3402 Natural Hazards
GEOG 3412 Conservation Practice and Resource Management
GEOG 3422 Conservation Thought
GEOG 3511 Introduction to Hydrology**
GEOG 3601 Principles of Climate**
GEOG 3682 Geography of International Development
GEOG 3812 Mexico, Central America, and the Caribbean
GEOG 3822 Geography of China**
GEOG 3862 Geography of Africa
GEOG 4401 Soils Geography (Prereq: GEOG 1011; Recommended Prereq: inorganic chemistry)
GEOG 4430 Seminar: Conservation Trends**
GEOG 4501 Water Resources and Water Management in the Western US
GEOG 4742 Environments and Peoples**
GEOG 4812 Environment and Development in South America**
GEOG 4822 Environment and Development in China**

**core curriculum course

Geography Courses Applicable to a Concentration in Physical Geography

GEOG 1001 Environmental Systems: Climate and Vegetation**
GEOG 1011 Environmental Systems 2: Landscapes and Water**
GEOG 3301 Analysis of Climate and Weather Observations**
(Prereq: GEOG 1001 or ATOC 1050/1060, 3600 and a statistics course)
GEOG 3601 Principles of Climate** (Prereq: 1 semester calculus or instructor approval)
GEOG 3351 Biogeography (Prereq: GEOG 1001)
GEOG 3511 Introduction to Hydrology** (Prereq: GEOG 1011)
GEOG 4211 Physical Climatology - Principles (Prereq: GEOG 1001)
GEOG 4231 Physical Climatology/Field Methods (Prereq: GEOG 1001 and 4211 or 5211)
GEOG 4241 Principles of Geomorphology** (Prereq: GEOG 1011)
(Restricted to Jr/Sr GEOG/GEOL/ENVS majors)
GEOG 4311 Watershed Biogeochemistry (Prereq: GEOG 1011, 3511)
GEOG 4321 Snow Hydrology (Prereq: GEOG 1001 and 1011; any statistics course)
GEOG 4331 Mountain Climatology (Prereq: GEOG 1001 or ATOC 1050/1060)
GEOG 4371 Forest Geography: Principles and Dynamics (Prereq: GEOG 1001)
GEOG 4383 Methods of Vegetation Analysis (Prereq or Coreq GEOG 4371)
GEOG 4401 Soils Geography (Prereq 1011; Recommended Prereq inorganic chemistry)
GEOG 4411 Methods of Soil Analysis (Prereq: GEOG 1001 or 1011; Prereq/Coreq GEOG 4401/5401)

**core curriculum course

Geography Courses Applicable to a Concentration in Geographic Information Science

1000- and 2000-level courses in physical and human geography are prerequisites to all upper-division courses listed below.

Additional prerequisites may be listed or permission of instructor required.

GEOG 2053 Mapping a Changing World
GEOG 3023 Statistics for Earth Sciences
GEOG 3053 Cartography: Visualization and Information Design (Restricted to Jr/Sr GEOG/ENVS major)
GEOG 3093 Geographic Interpretation of Aerial Photographs
GEOG 4023 Intro to Quantitative Methods in Human Geography (Prereq: GEOG 3023 or equivalent)
GEOG 4043 Cartography 2: Interactive and Multimedia Mapping (Prereq: GEOG 3053)
GEOG 4083 Mapping from Remotely Sensed Imagery (Prereq: GEOG 3093, 4093 or equivalent)
GEOG 4093 Remote Sensing of the Environment
GEOG 4103 Introduction to Geographic Information Science (Prereq: GEOG 2053, 3053 or equivalent)
GEOG 4160 Teaching Geography
GEOG 4203 Geographic Information Science: Modeling Applications 2 (Prereq: GEOG 4103/5103)
GEOG 4173 Research Seminar** (Restricted to Sr GEOG/ENVS major)
GEOG 4303 Geographic Information Science: Programming (Prereq: 4103 or 5103)
GEOG 4383 Methods of Vegetation Analysis (Prereq or Coreq: GEOG 4371)
GEOG 4983 Field Problems (Restricted to Jr/Sr Geography major)

**core curriculum course