



POPULATION, DEVELOPMENT & SUSTAINABILITY EMPHASIS

This emphasis focuses on population growth, urban systems and sustainable development. The United Nations has projected that by 2050 the world's population will be 9.7 billion. Due to employment and access to social resources, including medical assistance and educational opportunities, much of this population growth will occur in urban areas. These urban areas vary in their stages of development and environmental impacts, threaten to decrease the livability of already established urban areas. A lack of sustainable development in the future will lead to further poverty, disease, and death.

Students can choose electives that allow them to specialize in either urban or sustainable development areas. The courses in this emphasis cover concerns of population growth: cities, transportation, politics, health, energy, environment, and economics. Upon completion, students will understand today's major issues with population growth, urbanization and sustainability globally and best practices to alleviate much of the burden of future growth.

REQUIRED CLASSES

Geography core requirements

- GEOG 1000** Earth Environments and Global Change (SF)
- GEOG 1005** Earth Environments Lab
- GEOG 1400** Human Geography (BF)
- GEOG 3020** Geographical Analysis (QB,QI)
- GEOG 3100** Introduction to GIS and Cartography (QI)

One of the following: (Upper division Physical Geography choice list)

- GEOG 3200** Geomorphology: Mountains, Rivers, Deserts
- GEOG 3/5205** Climate Change Foundations
- GEOG 3/5210** Global Climate Change (SF)
- GEOG 3310** Introduction to Natural Hazards (SF)

Emphasis Required Core Course:

- GEOG 3/5400** Population Geography (CW)

Emphasis Required Core Choices: (select three courses from list)

- GEOG 3/5090** Health Geography in the Age of Global Pandemics
- GEOG 3330** Urban Environmental Geography (SF)
- GEOG 3350** Resource Conservation & Environmental Management
- GEOG 3420** Political Geography
- GEOG 3/5440** Global Economic Geography (Spring)
- GEOG 3610** World Cities (BF,IR)

EMPHASIS ELECTIVES

Select three elective courses from list

- GEOG 3/5215** Climate Change Impacts, Adaptation, and Mitigation
- GEOG 3/5290** Water in Utah (AS)
- GEOG 3/5292** Snow and Ice
- GEOG 3/5340** Geography of Disasters and Emergency Management
- GEOG 3/5368** Energy Choices for the 21st Century
- GEOG 3385** Federal Land Management
- GEOG 4140** Advanced Methods in GIS
- GEOG 5190** GIS for Environmental and Public Health
- GEOG 5520** Economic Geography, Industrial Location, & Regional Dev.
- CMP 4720** Land Use and Transportation Planning
- ENVST 3364** Challenges to Global Sustainability (IR)

Emphasis Regional Elective: (select one course from list)

- GEOG 1300** World Regional Geography (BF)
- GEOG 3640** Geography of China & Asia (IR)
- GEOG 3670** Geography of Latin America (IR)

*GEOG 5940 Internship in Geography or an independent study may be counted only once toward the major elective requirement



CAREER OUTLOOK

- Bureau of Land Management and Forest Service
- US State Department
- USAID and UN
- Urban Planning
- Urban Development
- Department of Agriculture & Food & Forestry
- Land focused conservation organizations
- Transportation Planning and Management
- Housing and Real Estate Development

SCHOLARSHIPS

Thanks to the generous donations given by industry & alumni, The Geography department offers several scholarships to incoming and continuing students.

To apply, please visit:

<https://geog.utah.edu/undergraduate/scholarships.html>

CONTACT INFORMATION

For more information about the Geography department or to contact an Academic Advisor, please visit: geog.utah.edu



THE UNIVERSITY OF UTAH
COLLEGE OF SOCIAL AND BEHAVIORAL SCIENCE
Department of Geography



STEM Education