

What Can I Do With a Major In...

Geography

<http://geography.unt.edu/>

<http://www.unt.edu/pais/insert/ugeog.htm>

Majoring in Geography

As a Geography major, you may take courses in regional science, earth science or geographic techniques. **Regional science** courses examine the spatial patterns produced by political, urban, economic and social processes on the landscape. Topics include human populations, the geography of cities, disease and health care delivery systems in nations, the economic development of regions and nations, and environmental policy. **Earth science** courses focus on resource management, the interaction between people and the physical environment, and physical geography. Course work includes topics in environmental geology, physical and historical geology, meteorology and climatology, surface and groundwater hydrology, soils and geomorphology (landforms). **Techniques** courses include cartography (mapmaking), geographic information systems and remote sensing (imaging the Earth with aircraft or satellites).

Possible Tracks:

- Urban Development/Economic Track
- Environmental Studies Track
- Globalization and Development Track
- Water Resources/Hydrology Track
- Health and Medical Geography Track
- Geosciences Track

The department has laboratories to provide instruction in computer graphics and cartography, geographic information systems, remote sensing and hydrology. As a Geography major, you may become involved in the Geography Club or be inducted into the UNT chapter of Gamma Theta Upsilon, the national geography honor society.

UNT Geography faculty members include outstanding researchers and teachers. Collectively, they have expertise in such areas as environmental modeling, groundwater hydrology, coastal processes, climate patterns, geographic information systems and remote sensing, economic development, disease patterns and health care delivery, environmental policy and archaeology. For example, one faculty member made major archaeological discoveries of the oldest known human groups in northern Texas and the Republic of Georgia. The discoveries captured the attention of *National Geographic* and *Nature* magazines, and the faculty member won the highest honor given by UNT for his research.

Career Potential

Geography, the science of space and place, uses information from the physical and social sciences to understand the human condition and its relation to the environment. Geography includes studies in earth science, regional science (cultures and populations) and land use planning. Geographers often use specialized software known as geographic information systems (GIS) to construct various types of maps and evaluate information they contain.

The geography department offers courses leading to bachelor of arts, bachelor of science and master's degrees. The undergraduate program has an applied focus emphasizing GIS applications, research techniques and internships to prepare you for employment in the public and private sectors. Career fields include regional and urban planning, retail and industrial site location planning and transportation planning. If you plan to become a researcher in geography or teach at a university, you should obtain a master's degree and perhaps a doctoral degree.

For more information about specific classes and requirements for students beginning in 2016-2017 follow the links provided below.

[BA Geography](#)

[BS Geography](#)

[Geographic Information Systems Certificate \(GIS\)](#)

[Minor in Geology](#)

[Minor in Archeology](#)

Related Career Titles

Entry-Level (Bachelor's Degree):

[Geological Specialist](#)

[Geographic Information Systems-
Analyst/Technician](#)

GIS Mapping Analyst

Mapping Specialist

[Mapping Technician](#)

[Cartography Compiler](#)

Environmental Scientist

Environmental Monitoring Technician

Environmental Services Professional

Environmental Assessment Specialist

Environmental Consultant

Environmental Educator

Environmental Protection Geologist

Coastal and Marine Geologist

[Soil and Water Conservationist](#)

Air/Water Quality Control

[Petroleum Geologist](#)

Drill Hole Logger

Well site Geologist

Exploration Geologist

Mine Geologist

Minerologist

Sedimentologist

Business Location Analyst

[Geodetic Surveyor/Advisor](#)

[Remote Sensing Analyst](#)

Demographer

Neighborhood Health Consultant

City and Regional Planning Aide/Assistant

Neighborhood Planner

Planning and Development Reviewer

Regional Planner
Geophysics Assistant
Seismic Processor
Seismic Interpreter
Geospatial Analyst
Geospatial Business Class Manager
Visual Data Specialist
[Hydrologist](#)

Hydrogeologist
Air Traffic Planner
Transportation Planner
Field Technician
Real Estate Market Researcher
[Surveyor](#) (County Surveyor, Mine Surveyor,
Licensed Land Surveyor)
Electrotelluric Analyst
High School/Middle School Teacher

Jobs Requiring Additional Experience (Master's, Doctorate, Certifications)

Aeronautical Information Specialist
Archeologist
Geospatial Intelligence Analyst
Water Conservation Program Coordinator
[Environmental Restoration Planner](#)
[Environmental Economist](#)
Health Program Advisor
[City and Regional Planning Aide/Assistant](#)
[College/University Professor](#)
Community College Professor
Regulatory Official
[Geomorphologist](#)
Volcanologist

Possible Work Settings

City, Regional and State Government
Federal Government Agencies
Bureau of the Census
Department of housing and Urban
Development
CIA
Department of Commerce
Defense Mapping Agency
Department of State
US Forest Service
National Park Service
US Geological Survey
The Natural Resources Conservation Service
Texas Parks and Wildlife

EPA
Texas Department of Transportation
Bureau of Land Management
Resource Management Companies

Research Institutes
Insurance Companies
Real Estate Developers/Appraisers
Chemical Companies
Firms Specializing in Forestry, Mining,
Environment or Surveying
Petroleum Industry
Consulting Firms
Well Services and Drilling Companies

International Trade Organizations
Non-Profits
Peace Corps
Transportation Industry
Public Utilities
Communications Companies

Map Publishers
Outdoor Recreation Companies
Museums and Historical Sites
Colleges/Universities
Community Colleges
High Schools

Examples of Employers Recruiting UNT Geography Majors:

**Click the following link to access a list detailing where UNT Geography Alumni are employed.*
<http://geography.unt.edu/sites/geography.unt.edu/files/users/tdd0009/Current%20jobs1-14.xls>

Accruent Corporation
Aerotek Professional Services
Bartlett & West Engineers, Inc.
Benchmark Environmental Consultants
Centex Homes
City of Allen
City of Cleburne
City of McKinney
Denton County Volunteer Organizations
Active In Disaster
Department of the Treasury
DOI/Minerals Management Service
Dougherty Sprague Environmental, Inc.
Ecology and Environment, Inc.
EnSafe Inc.
Galveston Bay Foundation
General Services Administration
Glen Helen Ecology Institute
Idaho State Government
MapFrame Corporation
MICROS Systems, Inc.

Peace Corps
RamQuest Software Inc.
Social Security Administration
The City of Missouri City
The Reynolds and Reynolds Company
Tru Automation
U. S. Office of Personnel Management
U.S. Air Force
U.S. Bankruptcy Court
U.S. Department of Homeland Security
U.S. DHHS Office of Inspector General /
OEI
U.S. Immigration and Customs
Enforcement
United States Marine Corps
University of Delaware's Disaster Research
Center
US Army Reserve Command
US Census Bureau
US Fish and Wildlife Service
Weston Solutions, Inc.

Websites for Exploring Geography Careers

Occupational Outlook Handbook: <http://www.bls.gov/opub/ooq/2005/spring/art01.pdf>
American Geosciences Institute (Career Page), <http://www.agiweb.org/careers.html>
Geography Careers, <http://www.bls.gov/opub/ooq/2005/spring/art01.pdf>
Association of American Geographers Career Page, <http://www.aag.org/cs/careers>
Careers in GIS, <http://www.esri.com/what-is-gis/careers-in-gis>
Careers in Geosciences, <http://www.americangeosciences.org/workforce/geoscience-careers-brochure>
Geology.com, <http://geology.com/jobs.htm>

Geologist Careers, <http://education-portal.com/geologist.html>
Petroleum Geology, <http://www.aapg.org/career>

US Geological Survey, <http://www.usgs.gov/>
Bureau of Land Management, <http://www.blm.gov/wo/st/en.html>
Environmental Protection Agency, <http://www.epa.gov/students/>
About Geography, <http://geography.about.com/od/careersingeography/>

On-Campus Organizations and Resources

UNT Geography Club
Gamma Theta Upsilon (Geography Honors Society)
Center For Remote Sensing, <http://www.ias.unt.edu/crs/CRShome.htm>
Elm Fork Education Center, <http://efec.unt.edu/>
ECOPLEX, <http://www.teo.unt.edu/ecoplex/>
Lake Lewisville Environmental Learning Area (LLELA), <http://www.ias.unt.edu/llela/>

Skills Used and Developed in the Geography major

Active Learning	Read and Construct Maps
Critical Thinking	Understand Societies
Science	Written & Oral Expression, Comprehension and Communication
Develop Project Design	Spatial Orientation
Surveying & Sampling	Near & Far Vision
Write Grant Proposals	
Computer Modeling	

Geography Job Sites

Environmental Jobs, <http://www.ejobs.org>
Geography Jobs, <http://www.geographyjobs.com/>
Geosearch, <http://www.geosearch.com/>
Geojobs, <http://www.geojobs.org/>
Earthworks, <http://www.earthworks-jobs.com/>
GIS Jobs Clearinghouse, <http://www.gic.org/>
GIS Careers, <http://giscareers.com/>
GIS Connection, <http://www.gisconnection.com/>
Oil Careers, <http://www.oilcareers.com/content/categories/geologist.asp>
State of Texas Geography Jobs,
<http://www.dir.texas.gov/about/jobpostings/pages/jobpostings.aspx>

Possible Internship Locations

National Geographic: <http://www.nationalgeographic.com/jobs/>
United States Census Bureau: <http://www.census.gov/hrd/www/jobs/student.html>
National Geospatial-Intelligence Agency:
<https://www1.nga.mil/Careers/StudentOpp/Internships/Pages/default.aspx>
United States Geological Survey (USGS): <http://pubs.usgs.gov/gip/114-v2.1/>
United States Environmental Protection Agency
(EPA) <http://www.epa.gov/careers/stuopp.html#car>
National Science Foundation (NSF):
http://www.nsf.gov/about/career_opps/careers/student.jsp
United States Department of Agriculture (USDA):
<http://www.dm.usda.gov/employ/student/internship.htm>

Professional Organizations

The Association for GIS Professionals, <http://www.urisa.org/about-us/vanguard-cabinet/>
American Planning Association, <https://www.planning.org/>
Association of American Geographers, <http://www.aag.org/>
American Geographical Society, <https://www.amergeog.org/>
American Congress on Surveying and Mapping, <http://www.acsm.net/>
American Society for Photogrammetry and Remote Sensing, <http://www.asprs.org/>
International Geographic Union, <http://www.igu-net.org/>
Geology Society of America, <http://www.geosociety.org/profdev/index.htm>
American Association of Petroleum Geologists, <http://www.aapg.org/>
American Water Resources Association, <http://www.awra.org/>
Society for Economic Geologists, <http://www.segweb.org/>
Mineralogical Society of America, <http://www.minsocam.org/>
The Society of Exploration Geophysicists, <http://www.seg.org/seg>
The Society for Mining, Metallurgy and Exploration, <http://www.smenet.org/>

Additional Resources

Occupational Outlook Handbook: <http://www.bls.gov/ooh/>
O*NET OnLine: <http://www.onetonline.org/>
Eagle Careers: http://careercenter.unt.edu/eagle_network.html
LinkedIn: <http://university.linkedin.com/linkedin-for-students.html>
mySkills myFuture: <http://www.myskillsmyfuture.org/>
USAjobs: <https://www.usajobs.gov/StudentsAndGrads>
CareerOneStop: <http://www.careeronestop.org/>
CareerRookie: <http://www.careerrookie.com/>

Need help figuring all this out? Call the Career Center and make an appointment with your Career Advisor! You can also get help with resume and cover letter writing and interview skills preparation.

**Information for this handout compiled from the following Career Services Departments:*

Central Washington University: <http://www.cwu.edu/career/>

Indiana University-Purdue University Fort Wayne: <http://www.ipfw.edu/offices/career/>

Texas State University: <http://www.careerservices.txstate.edu/>

University of North Carolina Wilmington: <http://www.uncw.edu/career/index.html>

University of North Texas: <http://careercenter.unt.edu/>

University of Tennessee-Knoxville: <http://career.utk.edu/>

University of Wisconsin-Eau Claire: <http://www.uvec.edu/Career/index.htm>