<table>
<thead>
<tr>
<th>Possible Occupations</th>
<th>Potential Employers</th>
<th>Skills To Develop &amp; How To Gain Experience</th>
</tr>
</thead>
</table>
| **Cultural & Human Geography**                                                      | **Community Development/Redevelopment** Companies dealing with insurance, transportation or communications museums, Peace Corps, real estate developers, scientific and research groups at state, regional, and local government. | • Become skilled in related computer technology.  
• Develop an open mind towards the language, history, customs, and culture of other countries.  
• Develop excellent communication and teamwork skills in order to work with historians and archivists in recreating the geography of the past.  
• Learn a foreign language for field observations in other countries.  
• Learn federal, state, and local government job application process.  
• Learn how to conduct library research, make field observations, and interpret artifacts.  
• Obtain related experience in your area of interest through volunteer or paid positions including internships.  
• Participate in cross-cultural groups and organizations. |
| **Economic Geography**                                                              | **Agricultural Planning** Banks Consulting firms, Federal, state, and local government real estate developers, scientific and research groups at public utilities, and real estate appraisers and developers. | • Consider earning a graduate degree in planning.  
• Develop strong communication skills.  
• Earn a business minor.  
• Learn to see all sides of a problem, including economic, social, political, and environmental.  
• Observe city/country/advisory meetings.  
• Consider earning a graduate degree in planning.  
• Develop strong communication skills.  
• Earn a business minor.  
• Learn to see all sides of a problem, including economic, social, political, and environmental.  
• Observe city/country/advisory meetings.  
• Learn federal, state, and local government job application process.  
• Learn how to conduct library research, make field observations, and interpret artifacts.  
• Obtain related experience in your area of interest through volunteer or paid positions including internships.  
• Participate in cross-cultural groups and organizations. |
| **Environmental Geography**                                                         | **Conservation** Chemical companies with Federal and state government including: Department of Agriculture, Environmental Protection Agency, National Forest Service, National Park Service.  
Firms specializing in: forestry, mining, environmental issues, or surveying law firms, real estate developers, scientific and research groups at waste management companies. | • Become skilled in related computer technology.  
• Earn a law degree for work in areas such as environmental law and policy.  
• Join environmental organizations on campus and in your community.  
• Learn federal government job application processes.  
• Obtain a Masters degree in Public Policy.  
• Obtain one of the following minors: Chemistry, Environmental Science, Microbiology, or Molecular Biology.  
• Seek environmental-related experience through internships, summer or part-time jobs.  
• Take biology and chemistry courses for environmental management positions.  
• Take electives in plant science, forestry and wildlife management for careers in recreation and forestry management.  
• Obtain multiple certifications for increased employability.  
• Research state standards for teacher certification.  
• Seek volunteer or paid experiences, such as camp counselor or tutor, with target age group.  
• Specialize in an area such as quantitative research techniques, computer mapping, or natural resource management. |
| **Geographic Education**                                                            | **Education Administration** Colleges and universities, Elementary/secondary schools, public and private.  
**Secondary Teaching**  
University/College Teaching | • Complete a master’s degree for community college teaching or a PhD for college/university teaching and research.  
• Develop strong communication skills, both verbal and written.  
• Join the National Council for Geographic Education.  
• Maintain a high grade point average and build strong faculty recommendations to prepare for graduate school.  
• Obtain certification/license for public school teaching.  
• Learn to be detail-oriented.  
• Seek related experience, such as a part-time job or internship, to geological technical skills.  
• Take courses in surveying and measurements, photogrammetry, computer systems, database management, technical mathematics, drafting, statistics, optics, remote sensing, art, and graphics. |
| **Cartography**                                                                     | **Geographic Information Systems** Private industries with Federal agencies including: Central Intelligence Agency, Departments of Defense, Interior, Commerce, Agriculture, and State National Aeronautics and NASA, National Geospatial Intelligence Agency.  
**State and regional government agencies including:** Departments of Transportation or Agriculture. | • Gain experience reading maps and interpreting data sources including geological surveys and satellite images.  
• Investigate federal, state, and local government job application processes.  
• Learn to be detail-oriented.  
• Seek related experience, such as a part-time job or internship, to geological technical skills.  
• Take courses in surveying and measurements, photogrammetry, computer systems, database management, technical mathematics, drafting, statistics, optics, remote sensing, art, and graphics. |
| **Geographic Technology**                                                           | **Biogeography** Agribusiness corporations, Geomorphology, Natural Hazards, Weather and Climate.  
**Remote Sensing** Bureau of Land Management/National Forest Service, NOAA and The National Park Service. | • Be willing to relocate to regions that have job availability.  
• Develop strong analytical and communication skills.  
• Gain experience through part-time jobs, internships or volunteer opportunities related to climate, weather or natural hazards.  
• Gain field experience in research and data collection.  
• Take courses in physics and chemistry, geology and biology. |
| **Planning**                                                                        | **City/Regional Planning** Architecture firms, Private business, Banks, City and regional planning agencies, Industrial firms, Research organizations, Agency for International Development, Department of Housing and Urban Development. | • Develop teamwork and communication skills.  
• Earn a dual degree in planning and law.  
• Learn federal, state, and local government job application processes.  
• Observe city/country/highway meetings.  
• Obtain a Master of Professional Studies.  
• Participate in student government.  
• Research the certified planning credential obtained through the American Institute of Certified Planners.  
• Seek internship or work experience in a local government office, as they are a large employer in this area.  
• Take courses in public administration or public finance.  
• Participate in student government.  
• Research the certified planning credential obtained through the American Institute of Certified Planners.  
• Seek internship or work experience in a local government office, as they are a large employer in this area.  
• Take courses in public administration or public finance |
STRATEGIES FOR PLACEMENT IN GEOGRAPHY

- Receive a bachelor’s degree in order to work in entry level positions in government and industry.
- Pursue a master’s degree to qualify to teach in community colleges or gain advancements in government and industry.
- Consider a doctoral degree for research and teaching positions in colleges, universities and senior positions in government and industry.
- Obtain volunteer, part-time, summer, internship, or co-op experience in your area of interest.
- Join professional organizations such as the American Geography Society or the National Council for Geographic Education.
- Become a member of groups directed toward improvement of natural resources or environment and pollution control.
- Obtain vital computer knowledge.
- Obtain experience with geographic information systems.
- Develop strong mathematical and statistical skills.

CAMPUS RESOURCES

- **Alumni Career Website**
  http://alumnicareers.byu.edu

- **Geography Department**
  690 SWKT (801) 422-3851
  https://geography.byu.edu

- **Pre-Professional Advisement**
  3328 WSC (801) 422-3044
  https://ppa.byu.edu

- **University Career Services**
  2410 WSC (801) 422-6535
  http://ucs.byu.edu

INTERNET RESOURCES

- American Planning Association-
  http://www.planning.org
- Association of American Geographers-
  http://www.aag.org
- Association for GIS Professionals-
  http://www.urisa.org
- Geography Department-
  https://geography.byu.edu/Pages/Home.aspx

A guide to career options inside the field of: GEOGRAPHY