### University Core and Graduation Requirements

#### University Core Requirements:

<table>
<thead>
<tr>
<th>Requirements</th>
<th>#Classes</th>
<th>Hours</th>
<th>Classes</th>
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<tbody>
<tr>
<td>Religion Cornerstones</td>
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<tr>
<td>Teachings and Doctrine of The Book</td>
<td>1</td>
<td>2.0</td>
<td>REL A 275</td>
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<tr>
<td>of Mormon</td>
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<tr>
<td>Jesus Christ and the Everlasting</td>
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<td>Gospel</td>
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<td>Foundations of the Restoration</td>
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<tr>
<td>The Eternal Family</td>
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<td>REL C 200</td>
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<td>The Individual and Society</td>
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<td>American Heritage</td>
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<td>from approved list</td>
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<tr>
<td>Global and Cultural Awareness</td>
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<td>3.0</td>
<td>GEOG 120* or 130*</td>
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<td>Skills</td>
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<tr>
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<td>Quantitative Reasoning</td>
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<td>Languages of Learning (Math or</td>
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<td>3.0</td>
<td>GEOG 222*</td>
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<td>Language)</td>
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<td>Arts, Letters, and Sciences</td>
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<td>Core Enrichment: Electives</td>
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<td>Religion Electives</td>
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<td>Open Electives</td>
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<td>personal choice</td>
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</tbody>
</table>

*For University Core and Program Questions Contact the Advisement Center
*THeSE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (9 hours overlap)

#### Graduation Requirements:

- Minimum residence hours required: 30.0
- Minimum hours needed to graduate: 120.0

### Suggested Sequence of Courses

#### Freshman Year

**1st Semester**
- First-year Writing or American Heritage: 3.0
- GEOG 100: 1.0
- GEOG 101: 3.0
- Religion Cornerstone course: 2.0
- General Education courses, and/or general electives: 6.0
- Total Hours: 15.0

**2nd Semester**
- First-year Writing or American Heritage: 3.0
- GEOG 211: 4.0
- GEOG 120: 3.0
- Religion Cornerstone course: 2.0
- General Education courses, university requirements, and/or general electives: 4.0
- Total Hours: 16.0

#### Sophomore Year

**3rd Semester**
- GEOG 130: 3.0
- GEOG 212: 3.0
- GEOG 217: 3.0
- GEOG 222: 3.0
- Religion Cornerstone course: 2.0
- Total Hours: 14.0

**4th Semester**
- GEOG 213: 2.0
- GEOG 322: 3.0
- Geography Regional elective: 3.0
- Religion elective: 2.0
- GEOG 110: 3.0
- General Education courses, university requirements, and/or general electives: 2.0
- Total Hours: 15.0

#### Junior Year

**5th Semester**
- GEOG 312: 4.0
- GEOG 313: 3.0
- Geography Physical or Human elective: 3.0
- Religion Elective: 2.0
- General Education courses, university requirements, and/or general electives: 3.0
- Total Hours: 15.0

**6th Semester**
- GEOG 311: 3.0
- GEOG 317: 3.0
-LINGC 220 or C S 142: 3.0
- Religion elective: 2.0
- General Education courses, university requirements, and/or general electives: 4.0
- Total Hours: 15.0

#### Senior Year

**7th Semester**
- GEOG 312: 4.0
- Geography GIS elective: 3.0
- Geography Physical or Human elective: 3.0
- Religion elective: 2.0
- GEOG 307: 3.0
- General Education courses, university requirements, and/or general electives: 4.0
- Total Hours: 15.0

**8th Semester**
- GEOG Capstone: 3.0
- Geography GIS elective: 2.0
- General Education courses, university requirements, and/or general electives: 9.0
- Exit Assessment: 0.0
- Total Hours: 15.0

Your academic advisor can assist you in choosing electives to meet your total hour requirement.

Note: Students are encouraged to complete an average of 15 credit hours each semester or 30 credit hours each year, which could include spring and/or summer terms. Taking fewer credits substantially increases the cost and the number of semesters to graduate.
BS in Geography: Geospatial Science & Technology (733726)
2022-2023 Program Requirements (53 - 55 Credit Hours)

REQUIREMENT 1: Complete 9 courses

CORE COURSES:
- GEOG 100 - The Geographic Approach 1.0
- GEOG 101 - Global Environment: Understanding Physical Geography 3.0
- *GEOG 110 - Landscapes of Disaster: An Introduction to Natural Hazards 3.0
- GEOG 120 - Geography and World Affairs 3.0
- GEOG 130 - Introduction to Human Geography 3.0
- GEOG 211 - Mapping Your World 3.0
- GEOG 212 - Introduction to Geographic Information Systems 3.0
- *GEOG 222 - Statistics for Geographers 1 3.0
- GEOG 222 - Statistics for Geographers 2 3.0

REQUIREMENT 2: Complete 2 courses

PHYSICAL, REGIONAL, OR HUMAN GEOGRAPHY COURSES:
- GEOG 305 - Geography of Landforms 3.0
- GEOG 366 - Global Conservation Designations 3.0
- GEOG 370 - Landscape Ecology 3.0
- GEOG 310 - Introduction to Urban and Regional Planning 3.0
- GEOG 331 - Economic Geography 3.0
- GEOG 336 - Urban Geography 3.0
- GEOG 346 - Population Geography 3.0
- GEOG 410 - Urban Planning Methods 3.0
- GEOG 421 - Urban Planning Law 3.0
- GEOG 422 - Principles of Urban Design 2.0
- GEOG 423 - Planning for Unique and Sensitive Lands 2.0
- GEOG 424 - Urban Transportation Planning 3.0
- GEOG 510 - Professional Planning Studio 3.0

REQUIREMENT 3: Complete 6 courses

MAJOR COURSES:
- GEOG 213 - Earth Observation and Image Interpretation 2.0
- GEOG 217 - Programming for Geographers 3.0
- GEOG 311 - Intermediate Geographic Information Systems 3.0
- GEOG 312 - Cartographic Design 4.0
- GEOG 313 - Remote Sensing 1 3.0
- GEOG 317 - Analytical Cartography 3.0

REQUIREMENT 4: Complete 6.0 hours from the following course(s)

COMPLETE TWO COURSES (6 CREDIT HOURS) FROM THE FOLLOWING:
- GEOG 411 - Issues in Computer Cartography 3.0
- GEOG 412 - Advanced Geographic Information Systems 3.0
- GEOG 413 - Remote Sensing 2 3.0
- GEOG 414 - Low Altitude, Large-Scale Image Acquisition and Processing 3.0
- GEOG 495R - Mentored Research 3.0
- GEOG 495R - Geographic Information Practicum 3.0
- GEOG 495R - You may take this course up to 1 time.

REQUIREMENT 5: Complete the exit assessment during the final semester, no later than one month before graduation.

THE DISCIPLINE:
Geography offers a variety of programs centered around spatial analysis and tailored, so far as possible, to meet the future needs of individual students. Our modern computer laboratory allows students to gain practical experience with geographical information systems (GIS), remote sensing, cartography, and other programs in urban and regional planning, travel, and population studies.

RESEARCH OPPORTUNITIES:
Contact the Geography Department for this information.

INTERNSHIPS, CO-OP ED, PRACTICAL EXPERIENCE:
Contact the Geography Department for this information.

FINANCING:
Many students work up to 20 hours per week. Some find employment in campus offices and some junior and senior students obtain teaching or research assistantships. Most of our students obtain summer jobs that make use of their training and interests.

CAREERS:
Graduates are employed in a wide range of both private and governmental positions. Job titles include geographer, teacher of geography, city or regional planner, cartographer, photo interpreter, commodities and industrial location analysts, intelligence, travel industry, or environmental and GIS specialist, and many others. Skills in spatial analysis make geography a valuable minor or supporting field for many other disciplines.

For more information on careers in your major, please contact the University Career Center or the Liberal Arts Academic Advisement Center.

MAP DISCLAIMER
While every reasonable effort is made to ensure accuracy, there are some student populations that could have exceptions to listed requirements. Please refer to the university catalog and your college advisement center/department for complete guidelines.

DEPARTMENT INFORMATION
Geography Department
Brigham Young University
690 Spencer W. Kimball Tower
Provo, UT 84602
Telephone: 801-422-3851

ADVISEMENT CENTER INFORMATION
Liberal Arts Advisement and Careers
Brigham Young University
1041 JFSB
Provo, UT 84602
Telephone: 801-422-3541

For more information on careers in your major, please contact the University Career Center or the Liberal Arts Academic Advisement Center.

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