BS in Geography: Geospatial Intelligence (733732) MAP Sheet
Family Home and Social Sciences, Geography
For students entering the degree program during the 2022-2023 curricular year.

University Core and Graduation Requirements
University Core Requirements:
Requirements#ClassesHoursClasses
Religion Cornerstones
Teachings and Doctrine of The Book of Mormon12.0REL A 275
Jesus Christ and the Everlasting Gospel12.0REL A 250
Foundations of the Restoration12.0REL C 225
The Eternal Family12.0REL C 200
The Individual and Society
American Heritage1-23.0from approved list
Global and Cultural Awareness13.0GEOG 120*, 130*, or 271*
Skills
First Year Writing13.0from approved list
Advanced Written and Oral Communications13.0WRTG 315 recommended
Quantitative Reasoning13.0STAT 121 recommended
Languages of Learning (Math or Language)13.0GEOG 222*
Arts, Letters, and Sciences
Civilization 111.0from approved list
Civilization 211.0from approved list
Arts13.0from approved list
Letters13.0from approved list
Biological Science13-4.0from approved list
Physical Science13.0from approved list
Social Science13.0GEOG 110*
Core Enrichment: Electives
Religion Electives3-46.0from approved list
Open ElectivesVariableVariableVariableVariable choice
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 required30.0
Minimum hours needed to graduate120.0
Suggested Sequence of Courses
Freshman Year
1st Semester
First-year Writing or American Heritage3.0
GEOG 1001.0
GEOG 1013.0
Religion Cornerstone course2.0
General Education courses, university requirements, and/or general electives6.0
Total Hours15.0
2nd Semester
GEOG 1203.0
GEOG 2114.0
A HTG or First-Year Writing3.0
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<tr>
<th>Year</th>
<th>Semester</th>
<th>Courses</th>
<th>Hours</th>
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<td>GEOG 2713.0</td>
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<td>GEOG 2223.0</td>
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<td><strong>Total Hours</strong></td>
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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 Intelligence (733732) 2022-2023 Program Requirements (57 - 58 Credit Hours)

requirement 1 Complete 15 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 213 - Earth Observation and Image Interpretation 2.0
*GEOG 222 - Statistics for Geographers 1 3.0
GEOG 271 - Middle East 3.0
GEOG 304 - Geography of Climates 3.0
GEOG 313 - Remote Sensing 1 3.0
GEOG 322 - Statistics for Geographers 2 3.0
GEOG 331 - Economic Geography 3.0
GEOG 341 - Political Geography 3.0

requirement 2 Complete 1 course
GIS courses:
GEOG 217 - Programming for Geographers 3.0
GEOG 311 - Intermediate Geographic Information Systems 3.0
GEOG 312 - Cartographic Design 4.0
GEOG 317 - Analytical Cartography 3.0
GEOG 412 - Advanced Geographic Information Systems 3.0
GEOG 413 - Remote Sensing 2 3.0

requirement 3 Complete 2 courses
Regional geography courses:
GEOG 255 - Middle and South America 3.0
GEOG 265 - Russia and the Former Soviet Union 3.0
GEOG 272 - East Asia 3.0
GEOG 273 - Southeast Asia 3.0
GEOG 280 - The Pacific Islands 3.0
GEOG 285 - Africa South of the Sahara 3.0

requirement 4 Complete 2 courses
GEOG 441 - Seminar in Geography and Geospatial Intelligence 1 3.0
GEOG 442 - Seminar in Geography and Geospatial Intelligence 2 3.0

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 would expect to be employed in a wide range of both governmental and private positions. Government Agencies hiring in this field would include the NGA (National Geospatial Agency), CIA, DIA (Defense Intelligence Agency), NSA (National Security Agency), the Air Force, Army, Marine Corps, and Navy. Jobs may also be found at more than 80 private firms that contract with those agencies to provide reconnaissance equipment, cameras, radars, radio and other receivers and platforms to convey them over areas of interest, as well as the software to operate, collect, exploit and disseminate the information. Job titles would include Image Analyst, Image Processor, Open Source Intelligence Analyst, Current Intelligence, Collection Analyst, Cartographers, GIS, Political Analyst, Economic Analyst, Population Analyst, Regional Analyst, and Physical Geographer. Additional jobs could be found in the development arena working with the contractors creating the hardware and software to make the systems and processes of intelligence function.

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