

BS in GEOGRAPHY: Geospatial Intelligence Emphasis (733732) MAP Sheet

Department of Geography

For students entering the degree program during the 2016–2017 curricular year.



UNIVERSITY CORE AND GRADUATION REQUIREMENTS				PROGRAM REQUIREMENTS (58–59 total hours)	
UNIVERSITY CORE REQUIREMENTS				Complete the following core courses:	
<u>Requirements</u>	<u>#Classes</u>	<u>Hours</u>	<u>Classes</u>		
Religion Cornerstones					
Teachings and Doctrine, Book of Mormon	1	2.0	Rel A 275	Geog 100 The Geographic Approach	1.0
Jesus Christ & the Everlasting Gospel	1	2.0	Rel A 250	Geog 101 Global Environ.: Undrst. Physical Geog.	3.0
Foundations of the Restoration	1	2.0	Rel C 225	Geog 110* Intro to Natural Hazards	3.0
The Eternal Family	1	2.0	Rel C 200	Geog 120* Geography and World Affairs	3.0
The Individual and Society					
Citizenship				Geog 130* Introduction to Human Geography	3.0
American Heritage	1–2	3–6.0	from approved list	Geog 211 Map Use and Interpretation	4.0
Global & Cultural Awareness	1	3.0	Geog 120*, 130*, or 271*	Geog 212 Introduction to GIS	3.0
Skills					
Effective Communication				Geog 213 Earth Observation & Image Interpreta	2.0
First-Year Writing	1	3.0	from approved list	Geog 222* Statistics for Geographers 1	3.0
Adv Written & Oral Communic	1	3.0	Engl 315 recommended	Geog 271* Middle East	3.0
Quantitative Reasoning	0–1	0–3.0	Stat 121 recommended	Geog 304 Geography of Climates	3.0
Languages of Learning (Math or Language)	1	3.0	Geog 222*	Geog 313 Remote Sensing 1	3.0
Arts, Letters, and Sciences					
Civilization 1 and 2	2	6.0	from approved list	Geog 322 Statistics for Geographers	3.0
Arts	1	3.0	from approved list	Geog 331 Economic Geography	3.0
Letters	1	3.0	from approved list	Geog 341 Political Geography	3.0
Scientific Principles & Reasoning				Complete one course from the following GIS courses:	
Biological Science	1–2	3–5.0	from approved list	Geog 217 Programming for Geographers	3.0
Physical Science	1–2	3–7.0	from approved list	Geog 311 Intermediate GIS	3.0
Social Science	1	3.0	Geog 110*	Geog 312 Cartographic Design	4.0
Core Enrichment: Electives					
Religion Electives	3–4	6.0	from approved list	Geog 317 Analytical Cartography	3.0
Open Electives	Variable	Variable	personal choice	Geog 412 Advanced GIS	3.0
GRADUATION REQUIREMENTS:					
Minimum residence hours required		30.0		Geog 413 Remote Sensing 2	3.0
Minimum hours needed to graduate		120.0		Complete two regional geography courses from the following:	
				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 285* Africa South of the Sahara	3.0
				Complete the following:	
				Geog 441 Sem in Geog & Geospatial Intell 1	3.0
				Geog 442 Sem in Geog & Geospatial Intell 2	3.0
				Complete exit assessment during final semester, no later than one month before graduation.	

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2016–2017**

Suggested Sequence of Courses:

FRESHMAN YEAR

1st Semester

Geog 100 (FWSpSu)	1.0
Geog 101 (FWSpSu)	3.0
1 st Year Writing Or A Htg 100	(3.0)
Religion Cornerstone course	2.0
General Education courses, and/or general electives	6.0
Total Hours	15.0

2nd Semester

Geog 120 (FWSpSu)	3.0
Geog 211 (FWSp)	4.0
A Htg 100 or 1 st Year Writing	(3.0)
Religion Cornerstone course	2.0
General Education courses, and/or general electives	4.0
Total Hours	16.0

SOPHOMORE YEAR

3rd Semester

Geog 110	3.0
Geog 212 (FW)	3.0
Geog 271	3.0
Geog 222	3.0
Religion Cornerstone course	2.0
General Education courses, and/or general electives	2.0
Total Hours	16.0

4th Semester

Geog 130 (FW)	3.0
Geog 213	2.0
Geog 322	3.0
Geog 331	3.0
Religion elective	2.0
General Education courses, and/or general electives	1.0
Total Hours	14.0

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.

JUNIOR YEAR

5th Semester

Geog 313	3.0
Geography GIS course	3.0
Geography physical elective	3.0
Geography regional elective	3.0
Religion Cornerstone course	2.0
General Education courses, and/or general electives	1.0
Total Hours	15.0

6th Semester

Geog 304	3.0
Geography physical elective	3.0
Geography regional elective	3.0
Religion elective	2.0
General Education courses, and/or general electives	3.0
Total Hours	14.0

SENIOR YEAR

7th Semester

Geog 341	3.0
Geog 441	3.0
Religion elective	2.0
General Education courses, and/or general electives	7.0
Total Hours	15.0

8th Semester

Geog 442	3.0
Geography intelligence electives	6.0
General Education courses, and/or general electives	6.0
Exit Assessment	0.0
Total Hours	15.0

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

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 & PRACTICAL ED:

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 College of Family, Home, and Social Sciences Academic Advisement Center.

Family, Home, and Social Science College Advisement Center
1041 JFSB, PO Box 25538
Brigham Young University, Provo, UT 84602-5538
Telephone: (801) 422-3541, 1-877-890-5295
FAX: (801) 422-0226
email: fhssadvisement@byu.edu
website: fhssadv.byu.edu

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