

BS in GEOGRAPHY: Urban and Environmental Planning Emphasis (733731) MAP Sheet

Department of Geography

For students entering the degree program during the 2008–2009 curricular year.



| UNIVERSITY CORE AND GRADUATION REQUIREMENTS | | | | PROGRAM REQUIREMENTS (58–62.0 total hours) | | |
|--|-----------------|--------------|------------------------------------|--|--|------|
| UNIVERSITY CORE REQUIREMENTS (48.5 hours minimum) | | | | Complete the following geography core courses: | | |
| <u>Requirements</u> | <u>#Classes</u> | <u>Hours</u> | <u>Classes</u> | Geog 100 | The Geographic Approach | 1.0 |
| Doctrinal Foundation | | | | Geog 101 | Global Environment | 3.0 |
| Book of Mormon | 2 | 4.0 | RelA 121/H and 122/H | Geog 110* | Landscapes of Disaster: An Introduction to Natural Hazards | 3.0 |
| New Testament | 1 | 2.0 | RelA 211/H or 212/H | Geog 120* | Geography and World Affairs | 3.0 |
| Doctrine and Covenants | 1 | 2.0 | RelC 324/H or 325/H | Geog 130* | Introduction to Human Geography | 3.0 |
| The Individual and Society | | | | Geog 211 | Map Use and Interpretation | 3.0 |
| Wellness | 1 or 3 | 1.5–2.0 | from approved list | Geog 212 | Introduction to GIS | 3.0 |
| Citizenship | | | | Geog 222 | Quantitative Reasoning | 3.0 |
| American Heritage | 1–2 | 3–6.0 | from approved list | Geog 322 | Statistics for Geographers | 3.0 |
| Global & Cultural Awareness | 1 | 3.0 | Geog 120* or 130* | Complete the following planning core courses: | | |
| Skills | | | | Geog 250 | United States and Canada | 3.0 |
| Effective Communication | | | | Geog 306 | Public Land Conservation | 3.0 |
| First-Year Writing | 1 | 3.0 | from approved list | Geog 310 | Principles of Land Use Planning | 3.0 |
| Adv Written & Oral | 1 | 3.0 | Engl 315 | Geog 336 | Geography of Urban Environment | 3.0 |
| Communication | 0–1 | 0–3.0 | recommended | Geog 346 | Population Geography | 3.0 |
| Quantitative Reasoning | 1 | 3.0 | from approved list | Geog 410 | Practices of Land Use Planning | 3.0 |
| Languages of Learning (Math or Language) | | | from approved list | Complete three advanced planning courses from the following: | | |
| Arts, Letters, and Sciences | | | | Geog 307 | Landscape Ecology | 3.0 |
| Civilization 1 and 2 | 2 | 6.0 | | Geog 414 | Applied Urban Environ Modeling | 3.0 |
| Arts | 1 | 3.0 | from approved list | Geog 421R | Comprehensive Planning | 3.0V |
| Letters | 1 | 3.0 | from approved list | Geog 422 | Principles of Urban Design | 2.0 |
| Scientific Principles & Reasoning | 1–2 | 3–6.0 | | Geog 423 | Plan for Unique & Sensitive Lands | 2.0 |
| Biological Science | 1–2 | 3–7.0 | from approved list | Geog 510 | Adv Urban Dynamics & Planning | 3.0 |
| Physical Science | 1 | 3.0 | from approved list | | | |
| Social Science | | | from approved list | | | |
| Core Enrichment: Electives | | | | | | |
| Religion Electives | 3–4 | 6.0 | | | | |
| Open Electives | Variable | Variable | from approved list personal choice | | | |
| GRADUATION REQUIREMENTS: | | | | | | |
| Minimum residence hours required | | 30.0 | | | | |
| Minimum hours needed to graduate | | 120.0 | | | | |
| | | | | Complete two courses from the following: | | |
| | | | | Geog 213 | Earth Observation & Image Interp | 3.0 |
| | | | | Geog 219 | GPS and Geodesy | 2.0 |
| | | | | Geog 303 | Biogeography | 3.0 |
| | | | | Geog 304 | Geography of Climates | 3.0 |
| | | | | Geog 305 | Geography of Landforms | 3.0 |
| | | | | Geog 311 | Geographic Data Management | 3.0 |
| | | | | Geog 312 | Cartographic Design | 4.0 |
| | | | | Geog 313 | Remote Sensing 1 | 3.0 |
| | | | | Complete one professional experience course (3 hours required) from the following: | | |
| | | | | Geog 399R | Academic Internship | 6.0V |
| | | | | Geog 495R | Mentored Research | 3.0V |
| | | | | Complete exit assessment and exit interview during final semester, no later than one month before graduation. | | |

FOR UNIVERSITY CORE AND PROGRAM QUESTIONS CONTACT THE ADVISEMENT CENTER

*THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (3.0 hours overlap)

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Suggested Sequence of Courses:

FRESHMAN YEAR

1st Semester

| | |
|--|-------------|
| Geog 100 (FWSp) | 1.0 |
| Geog 101 (FWSpSu) | 3.0 |
| 1 st Year Writing | 3.0 |
| Or A Htg 100 | (3.0) |
| Rel A 121 | 2.0 |
| General Education courses, and/or general electives | 6.0 |
| Total Hours | 15.0 |

2nd Semester

| | |
|--|-------------|
| Geog 120 (FWSpSu) | 3.0 |
| Geog 130 | 3.0 |
| Geog 211 (FW) | 3.0 |
| A Htg 100 | 3.0 |
| or 1 st Year Writing | (3.0) |
| Rel A 122 | 2.0 |
| General Education courses, and/or general electives | 1.0 |
| Total Hours | 15.0 |

SOPHOMORE YEAR

3rd Semester

| | |
|--|-------------|
| Geog 212 | 3.0 |
| Geog 322 | 3.0 |
| Geog 336 | 3.0 |
| Rel A 211 or 212 | 2.0 |
| General Education courses, and/or general electives | 4.0 |
| Total Hours | 15.0 |

4th Semester

| | |
|--|-------------|
| Geog 110 | 3.0 |
| Geog 222 | 3.0 |
| Geog 306 | 3.0 |
| Geog 346 (W) | 3.0 |
| Religion elective | 2.0 |
| General Education courses, and/or general electives | 1.0 |
| Total Hours | 15.0 |

JUNIOR YEAR

5th Semester

| | |
|--|-------------|
| Geog 250 | 3.0 |
| Geog 310 | 3.0 |
| Geography advanced planning course | 3.0 |
| Geography Planning elective | 3.0 |
| Rel C 324 or 325 | 2.0 |
| General Education courses, and/or general electives | 1.0 |
| Total Hours | 15.0 |

6th Semester

| | |
|--|-------------|
| Geog 410 | 3.0 |
| Geography planning elective | 3.0 |
| Religion elective | 2.0 |
| General Education courses, and/or general electives | 7.0 |
| Total Hours | 15.0 |

SENIOR YEAR

7th Semester

| | |
|--|-------------|
| Geography planning elective | 3.0 |
| Geography advanced planning course | 3.0 |
| Geography planning elective | 3.0 |
| Religion elective | 2.0 |
| General Education courses, and/or general electives | 4.0 |
| Total Hours | 15.0 |

8th Semester

| | |
|--|-------------|
| Geography professional experience course | 3.0 |
| General Education courses, and/or general electives | 12.0 |
| Exit Interview and Exit Assessment | 0.0 |
| Total Hours | 15.0 |

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

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 planning, urban, 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 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 refer to *From Major to Career*, a publication located in all college advisement centers, or online at: <http://ccc.byu.edu/majortocareer/Book.pdf#pagemode=bookmarks>.

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.

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