



BS in GEOGRAPHY: Geospatial Science and Technology Emphasis (733726) MAP Sheet

Department of Geography

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

UNIVERSITY CORE AND GRADUATION REQUIREMENTS				PROGRAM REQUIREMENTS (54-56 total hours)		
UNIVERSITY CORE REQUIREMENTS				Complete the following core courses:		
<u>Requirements</u>	<u>#Classes</u>	<u>Hours</u>	<u>Classes</u>	Geog 100	The Geographical Approach	1.0
				Geog 101	Global Environment	3.0
				Geog 110*	Landscapes of Disaster: Intro to Natural Hazards	3.0
				Geog 120*	Geography and World Affairs	3.0
				Geog 130*	Introduction to Human Geography	3.0
				Geog 211	Map Use and Interpretation	4.0
				Geog 212	Introduction to GIS	3.0
				Geog 222*	Statistics for Geographers 1	3.0
				Geog 322	Statistics for Geographers 2	3.0
				Complete two physical, regional, or human geography courses from the following:		
				Geog 305	Geography of Landforms	3.0
				Geog 306	Public Land Conservation	3.0
				Geog 307	Landscape Ecology	3.0
				Geog 310	Intro to Urban & 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 421R	Urban Planning Law	2-3.0
				Geog 422	Principles of Urban Design	2.0
				Geog 423	Planning for Unique & Sensitive Lands	2.0
				Geog 424	Urban Transportation Planning	3.0
				Geog 510	Professional Planning Studio	3.0
				Complete the following major courses:		
				Geog 213	Earth Observation & Image Interpre	2.0
				Geog 217	Programming for Geographers	3.0
				Geog 311	Intermediate GIS	3.0
				Geog 312	Cartographic Design	4.0
				Geog 313	Remote Sensing 1	3.0
				Geog 317	Analytical Cartography	3.0
				Complete two courses (6 credit hours) from the following:		
				Geog 399R	Academic Internship	6.0V
				Geog 411	Issues in Computer Cartography	3.0
				Geog 412	Advanced GIS	3.0
				Geog 413	Remote Sensing 2	3.0
				Geog 414	Appl Urban Environmental Modeling	3.0
				Geog 495R	Mentored Research	3.0V
				Geog 521R	Geographic Information Practicum	3.0
				Complete exit assessment during final semester, no later than one month before graduation.		
GRADUATION REQUIREMENTS:						
					Minimum residence hours required	30.0
					Minimum hours needed to graduate	120.0

FOR UNIVERSITY CORE AND PROGRAM QUESTIONS CONTACT THE ADVISEMENT CENTER
 *THESE CLASSES FILL BOTH UNIVERSITY CORE AND PROGRAM REQUIREMENTS (9 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)
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
1 st Year Writing	3.0
Or A Htg 100	(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 130 (FW)	3.0
Geog 212 (FW)	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, and/or general electives	2.0
Total Hours	15.0

JUNIOR YEAR

5th Semester

Geog 312 (F)	4.0
Geog 313	3.0
Geography physical or human elective	3.0
Religion Cornerstone course	2.0
General Education courses, and/or general electives	3.0
Total Hours	15.0

6th Semester

Geog 311	3.0
Geog 317	3.0
CHum 220 or C S 142 (see advisor)	3.0
Religion elective	2.0
General Education courses, and/or general electives	4.0
Total Hours	15.0

SENIOR YEAR

7th Semester

Geography GIS elective	3.0
Geography physical or human elective	3.0
Religion elective	2.0
Geog 307	3.0
General Education courses, and/or general electives	4.0
Total Hours	15.0

8th Semester

Geography Capstone	3.0
Geography GIS elective	2–3.0
General Education courses, and/or general electives	9–10.0
Exit Assessment	0.0
Total Hours	15.0

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

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.

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