

**BACHELOR OF SCIENCE IN GEOGRAPHY
GISCIENCE SPECIALIZATION
MAJOR REQUIREMENTS**

Name: _____

Advisor: _____

Minimum of 83 total credits required. A grade of C- or better is required for a course to meet requirements for the major.

A. Department Core Courses

<u>Term</u>	<u>Grade</u>	
_____	_____	GEOG 101(5) World Regional Geography
_____	_____	GEOG 107(5) Our Dynamic Earth
_____	_____	GEOG 208(5) Our Human World
_____	_____	GEOG 250(4) Resource Exploitation & Conservation
_____	_____	GEOG 301(4) Intro to GIS & Maps
_____	_____	GEOG 489(2) Capstone

B. GIScience Core

1. Methods

<u>Term</u>	<u>Grade</u>	
_____	_____	GEOG 303(5) GIS and Data Management
_____	_____	GEOG 404(5) GIS Analysis
_____	_____	GEOG 330(5) Airphoto Interpretation
_____	_____	GEOG 430(5) Remote Sensing
_____	_____	GEOG 409(5) Quantitative Methods

2. Programming (One required)

_____	_____	CS 110(4) Programming Fundamentals I
_____	_____	GEOG 411(5) GIS Programming

C. Required Courses

1. Human and Regional Geography (One required)

<u>Term</u>	<u>Grade</u>	
_____	_____	GEOG 304(5) Economic Geography
_____	_____	GEOG 308(5) Cultural Geography
_____	_____	GEOG 346(4) Political Geography
_____	_____	GEOG 352(4) North America
_____	_____	GEOG 355(4) Pacific Northwest
_____	_____	GEOG 366(4) Middle East
_____	_____	GEOG 368(4) Middle America
_____	_____	GEOG 370(4) South America
_____	_____	GEOG 371(4) Europe
_____	_____	GEOG 372(4) Russia
_____	_____	GEOG 375(4) Asia
_____	_____	GEOG 381(4) Urban Geography

2. Physical Geography (One required)

<u>Term</u>	<u>Grade</u>	
_____	_____	GEOG 361(5) Soils
_____	_____	GEOG 382(5) Hydrology
_____	_____	GEOG 386(5) Geomorphology
_____	_____	GEOG 387(5) Biogeography
_____	_____	GEOG 388(5) Weather and Climate
_____	_____	GEOG 453(5) Riparian and Wetlands Analysis
_____	_____	GEOG 483(5) Snow

3. Human-Environment Relationships (One required)

<u>Term</u>	<u>Grade</u>		<u>Term</u>	<u>Grade</u>	
_____	_____	GEOG 305(5) Intro to Land Use Planning	_____	_____	GEOG 445(5) Environmental Law
_____	_____	GEOG 306(5) Transportation and Planning	_____	_____	GEOG 449(5) Environmental Hazard Analysis
_____	_____	GEOG 373(4) Water Resources	_____	_____	GEOG 455(4) Pyrogeography
_____	_____	GEOG 422(4) Food and Agriculture	_____	_____	GEOG 456(5) Recreation Geography
_____	_____	GEOG 442(5) Alternative Energy	_____	_____	GEOG 458(4) People, Parks, and Protected Areas

D. Culminating Experience

Term Grade

_____ _____ GEOG 417(4) Workplace GIS

E. Electives (Minimum of three courses)

Term Grade

_____ _____ CS 110 (4) Programming Fundamentals I (if not taken in Section B2 above)

_____ _____ CS 111 (4) Programming Fundamentals II

_____ _____ CS 351 (4) Web Development Technologies II

_____ _____ ENG 310 (4) Technical Writing

_____ _____ GEOG 411 (5) GIS Programming (if not taken in Section B2 above)

_____ _____ GEOG 485 (4) Topics in GIS/Remote Sensing

_____ _____ GEOG 490 (4-6) Internship

_____ _____ GEOG 494 (4-5) Applied GIS Project

_____ _____ GEOG 496 (4-6) Independent Study

_____ _____ MATH 153 (5) Precalculus Mathematics I

Other computer science classes, on advisement

Total credits: _____ Advisor signature (on completion): _____ Date: _____