

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

Name: _____

Advisor: _____

Minimum of 84 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

| <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 |
| _____ | _____ | CS 110(4) Programming Fundamentals |

C. Required Courses

1. Human Geography (One required)

| <u>Term</u> | <u>Grade</u> | |
|-------------|--------------|---|
| _____ | _____ | GEOG 304(5) Economic Geography |
| _____ | _____ | GEOG 306(5) Transportation and Planning |
| _____ | _____ | GEOG 308(5) Cultural Geography |
| _____ | _____ | GEOG 346(4) Political Geography |
| _____ | _____ | GEOG 381(4) Urban Geography |

3. Physical Geography (One required)

| <u>Term</u> | <u>Grade</u> | |
|-------------|--------------|-------------------------------------|
| _____ | _____ | GEOG 361/461(5) Soils |
| _____ | _____ | GEOG 382/482(5) Hydrology |
| _____ | _____ | GEOG 383/484(5) Snow |
| _____ | _____ | GEOG 386/486(5) Geomorphology |
| _____ | _____ | GEOG 387/487(5) Biogeography |
| _____ | _____ | GEOG 388/488(5) Weather and Climate |

3. Resource Geography (One required)

| <u>Term</u> | <u>Grade</u> | |
|-------------|--------------|--|
| _____ | _____ | GEOG 305(5) Intro to Land Use Planning |
| _____ | _____ | GEOG 373(4) Water Resources |

D. Culminating Experience

| <u>Term</u> | <u>Grade</u> | |
|-------------|--------------|--------------------------|
| _____ | _____ | GEOG 417(4) Advanced GIS |

E. Electives (Minimum of three courses)

| <u>Term</u> | <u>Grade</u> | | <u>Term</u> | <u>Grade</u> | |
|-------------|--------------|--|-------------|--------------|-----------------------------------|
| _____ | _____ | GEOG 311(5) Qualitative Methods | _____ | _____ | CS 111(5) Prog Fundamentals II |
| _____ | _____ | GEOG 485(4) Topics in GIS/Remote Sensing | _____ | _____ | CS 250(5) Web Development Tech |
| _____ | _____ | GEOG 490(4-6) Internship | _____ | _____ | CS 351(5) Web Development Tech II |
| _____ | _____ | GEOG 494 (4-5) Applied GIS Project | _____ | _____ | ENG 310(4) Technical Writing |
| _____ | _____ | GEOG 496 (4-6) Independent Study | _____ | _____ | MATH 153(5) Precalculus |

Other computer science classes, on advisement

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