



# GEOGRAPHY MAJOR

## GEOGRAPHIC INFORMATION SCIENCE & TECHNOLOGY (GIS&T) CONCENTRATION



**Student Name:** \_\_\_\_\_ **Student ID:** \_\_\_\_\_  
**Advisor Initials:** \_\_\_\_ **Date:** \_\_\_\_/\_\_\_\_/20\_\_\_\_ **Catalog year:** 2012-2015 **STAR report accessed?** \_\_\_\_

For a class to count toward a student's major, the student must earn a grade of C- or better in that class.  
Total classes taken must be sufficient to total 128 credits, including 48 upper-division credits.

### DEPARTMENTAL REQUIREMENTS (46-47 CREDITS)

#### *ALL of the Following Courses (28 Credits)*

|   |   |                          |     |
|---|---|--------------------------|-----|
| GEOG 111G, Geography of the Natural Environment .....                                   | 4 | <input type="checkbox"/> | ___ |
| GEOG 112G, World Regional Geography, <u>OR</u> GEOG 120G, Culture and Environment ..... | 3 | <input type="checkbox"/> | ___ |
| GEOG 281, Map Use and Analysis .....  | 3 | <input type="checkbox"/> | ___ |
| GEOG 373, Introduction to Remote Sensing .....  | 4 | <input type="checkbox"/> | ___ |
| GEOG 381, Cartography and Geographic Information Systems .....                          | 4 | <input type="checkbox"/> | ___ |
| GEOG 382, Aerial Photo Interpretation .....   | 3 | <input type="checkbox"/> | ___ |
| GEOG 481, Fundamentals of Geographic Information Systems .....                          | 4 | <input type="checkbox"/> | ___ |
| GEOG 482, Geodatabase Design .....  | 3 | <input type="checkbox"/> | ___ |

#### *TWO of the Following Courses (6-7 Credits)*

|  |   |                          |     |
|--|---|--------------------------|-----|
| GEOG 441, GIS Design .....   | 3 | <input type="checkbox"/> | ___ |
| GEOG 473, Advanced Remote Sensing .....                                | 4 | <input type="checkbox"/> | ___ |
| GEOG 492, GIS Applications and Modeling .....                          | 3 | <input type="checkbox"/> | ___ |
| GEOG 487, Geographic Information Science and Technology Capstone ..... | 3 | <input type="checkbox"/> | ___ |

#### *THREE of the Following Courses, Including Two in Human Geography (HG) and One Physical Geography (PG), OR One in Human Geography (HG) and Two in Physical Geography (PG) (9 Credits)*

|   |   |                          |     |
|---|---|--------------------------|-----|
| GEOG 361V, Economic Geography (HG) .....      | 3 | <input type="checkbox"/> | ___ |
| GEOG 363V, Cultural Geography (HG).....       | 3 | <input type="checkbox"/> | ___ |
| GEOG 365V, Urban Geography (HG).....          | 3 | <input type="checkbox"/> | ___ |
| GEOG 467, Transportation Geography (HG) ..... | 3 | <input type="checkbox"/> | ___ |
| GEOG 351, Biogeography (PG) .....             | 3 | <input type="checkbox"/> | ___ |
| GEOG 357, Climatology (PG).....               | 3 | <input type="checkbox"/> | ___ |
| GEOG 353, Geomorphology (PG).....             | 3 | <input type="checkbox"/> | ___ |
| GEOG 452, Landscape Ecology (PG).....         | 3 | <input type="checkbox"/> | ___ |

#### *ONE of the Following Regional Geography Courses (3 Credits)*

|   |   |                          |     |
|---|---|--------------------------|-----|
| GEOG 325V, New Mexico and the American West ..... | 3 | <input type="checkbox"/> | ___ |
| GEOG 326, U.S National Parks .....                | 3 | <input type="checkbox"/> | ___ |
| GEOG 328V, Geography of Latin America .....       | 3 | <input type="checkbox"/> | ___ |
| GEOG 331V, Europe .....                           | 3 | <input type="checkbox"/> | ___ |
| GEOG 483, Field Explorations in Geography .....   | 3 | <input type="checkbox"/> | ___ |

### NON-DEPARTMENTAL REQUIREMENTS (9 Credits)

|   |   |                          |     |
|---|---|--------------------------|-----|
| ENGL 218G, Technical and Scientific Communication, <u>OR</u> ENGL 318G, Advanced Technical and Scientific Communication ..... | 3 | <input type="checkbox"/> | ___ |
| A ST 311, Statistical Applications, <u>OR</u> STAT / A ST 251G, Statistics for the Behavioral Sciences .....                  | 3 | <input type="checkbox"/> | ___ |
| MATH 142G, Calculus for Bio and Mgmt Sciences, <u>OR</u> MATH 190G, Trigonometry and Precalculus .....                        | 3 | <input type="checkbox"/> | ___ |

#### *Second Language Requirement (3-6 Credits)*

|   |   |                          |     |
|---|---|--------------------------|-----|
| Option 1: 112 (non-native speakers; may require 111 as a prerequisite), <u>OR</u> 113 (native speakers) ..... | 3 | <input type="checkbox"/> | ___ |
| Option 2: Six additional upper division credits in Geography beyond the major requirements .....              | 6 | <input type="checkbox"/> | ___ |