



# GEOGRAPHY MAJOR

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



**Student Name:** \_\_\_\_\_ **Student ID:** \_\_\_\_\_

**Advisor Initials:** \_\_\_ **Date:** \_\_\_/\_\_\_/20\_\_\_ **Catalog year:** 2016-2018 **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 120 credits, including 48 upper-division credits.

**DEPARTMENTAL REQUIREMENTS (43-44 CREDITS)**

***ALL of the Following Courses (25 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 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"/>	___
GEOG 498, GIS and Water Resources .....	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 Human-Environment 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"/>	___