



GEOGRAPHY MAJOR

GEOGRAPHIC INFORMATION SCIENCE & TECHNOLOGY (GIS&T) CONCENTRATION



Student Name: _____ **Student ID:** _____

Advisor Initials: ___ **Date:** ___/___/20___ **Catalog year:** 2016-2017 **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"/>	___