Bachelor of Science (BS)
Degree Code 241*
Concentration Code 241D

I. CORE CURRICULUM .................................................................................................................................. 44
Geography 1010, 1020, or 1040 (program prerequisites) will count toward social science requirement.

II. PROGRAM PREREQUISITES.................................................................................................................. 6
GHY 1010 _____ (3) Introduction to Physical Geography
GHY 1020 _____ (3) World Regional Geography (MC) or GHY 1040 _____ (3) Intro to Human Geography (MC)

III. MAJOR REQUIREMENTS ........................................................................................................................... 63
2.0 major GPA is required for graduation. Major GPA calculation will include all courses taken in the major department, plus any other courses under III.

A. Program Core Requirements (36 hours) (*prerequisites are required)
   - GHY 2310 _____ (3) Cartographic Design & Analysis (ND, C)
   - GHY 2812 _____ (3) Geospatial Data and Technology (ND, C)
   - GHY 3310 _____ (3) Environmental Remote Sensing
   - GHY 3800* _____ (3) Introduction to Quantitative Methods (ND, C)
   - GHY 3812* _____ (3) Introduction to GIS (ND, C)
   - GHY 4810* _____ (3) Digital Image Processing (ND, C)
   - GHY 4812* _____ (3) Advanced GIS (ND, C)
   - GHY 4814* _____ (3) Principles of GeoComputation
   - GHY 4830 _____ (3) Senior Seminar (W, S)
   - GHY 4900* _____ (6) Internship in Geography & Planning
   - PLN 2410 _____ (3) Town, City, & Regional Planning (CD)

B. Elective Courses: (9 hours) Choose one from each area:

1. PHYSICAL GEOGRAPHY (3 hours)
   - GHY 3100* _____ (3) Weather & Climate
   - GHY 3110* _____ (3) Vegetation, Soils, & Landforms
   - GHY 3130 _____ (3) Geography of Biodiversity
   - GHY 3320 _____ (3) Environmental Issues in Appalachia (S)
   - GHY 4620* _____ (3) Synoptic & Regional Climatology
   - GHY 4820* _____ (3) Geographical Hydrology

2. HUMAN GEOGRAPHY (3 hours)
   - GHY 3200 _____ (3) Geographic Perspectives on Human Behavior
   - GHY 3210 _____ (3) Economic Geography (W, MC)
   - GHY 4200 _____ (3) Urban Geography
   - GHY 4230 _____ (3) Political Geography
   - GHY 4240 _____ (3) Transportation Geography & Planning

C. Geography Electives (15 hours)
   Must include a minimum of 9 s.h. at 3000 or 4000 level; a maximum of 6 s.h. of 3000 or 4000 planning courses may be applied

D. Approved Computer Programming & Application Courses (3 hours)

IV. MINOR (optional)

V. Departmental Graduation Check (Student should also have a senior check in the Dean’s Office, 100 I. G. Greer)
   Advisor: __________________ Date: __________________
   Chair: __________________ Date: __________________ Sent to Dean’s Office Date: ____________

VI. ELECTIVES (taken to total 122 hours for the degree) ................................................................................. 9
2 semester hours of free electives must be outside the major discipline. 122