Bachelor of Science (BS)  2017-2018  Program of Study for Geography Majors
Degree Code 241*  GEOGRAPHIC INFORMATION SYSTEMS
Concentration Code 241D

Student Name: .................................................. Date: _______________

I. GENERAL EDUCATION CURRICULUM ................................................................. 44

Some general education requirements may be double-counted in the major with departmental approval. Please see your advisor for information.

II. MAJOR REQUIREMENTS ................................................................................. 66

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 II. Minimum of 18 semester hours of courses taken to fulfill major requirements must be courses offered by Appalachian.

A. Program Core Requirements (45 hours)
GHY 1010 _____ (3) Introduction to Physical Geography
GHY 1020 _____ (3) Geographic Diversity & Globalization  OR  GHY 1040 _____ (3) Intro to Human Geography
GHY 2310 _____ (3) Cartographic Design & Analysis
GHY/PLN 2812 _____ (3) Geospatial Data and Technology
GHY 3000 _____ (3) Communicating Geographic Information [WID] (Pre: RC 2001; Jr standing)
GHY 3310 _____ (3) Environmental Remote Sensing
GHY 4810 _____ (3) Digital Image Processing (Pre: GHY 2812, 3310; Sr standing)
GHY 4812 _____ (3) Advanced GIS (Pre: GHY 3812; Sr standing)
GHY 4814 _____ (3) Principles of GeoComputation (Pre: GHY 3812; Sr standing)
GHY/PLN 4830 _____ (3) Professional Development in Geography & Planning [CAP]
GHY 4900 _____ (6) Internship in Geography & Planning
PLN 2410 _____ (3) Town, City, & Regional Planning

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

1. PHYSICAL GEOGRAPHY (3 hours)
GHY 3100_____ (3) Weather & Climate (Pre: GHY 1010 or 1011)
GHY 3110_____ (3) Ecoregions & Dynamic Landforms
GHY 3130_____ (3) Geography of Biodiversity
GHY 3320_____ (3) Environmental Issues in Appalachia
GHY 3600_____ (3) Climate Change, Snow & Ice (Pre: GHY 1010)
GHY 4620_____ (3) Atmospheric Circulation (Pre: GHY 3100; Sr stg)
GHY 4820_____ (3) Geographical Hydrology (Pre: GHY 3100, 3110; Sr stg)

2. HUMAN GEOGRAPHY (3 hours)
GHY 3210_____ (3) Economic Geography (Pre: 1 intro course GHY/ECO)
GHY 3700_____ (3) Geography of Food
GHY 4005_____ (3) Geography of Health & Disease
GHY 4200_____ (3) Urban Geography
GHY 4230_____ (3) Political Geography
PLN 4240_____ (3) Sustainable Transportation Planning (Pre: Sr stg)

3. REGIONAL GEOGRAPHY (3 hours)
GHY 3011_____ (3) Europe Past & Present
GHY 3012_____ (3) US and Canada
GHY 3013_____ (3) North Carolina
GHY 3014_____ (3) Geography of Latin America
GHY 3015_____ (3) Geography of Asia
GHY 3016_____ (3) Geography of the American South
GHY 3017_____ (3) Spain & North Africa

Authorized substitutions or waivers:

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

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

III. MINOR (optional)

IV. Departmental Graduation Check (Student will receive a senior check from the Dean’s Office via email)
Advisor: __________________________________ Date: _______________
Chair: ___________________________________ Date: _______________  Sent to Dean’s Office Date: ______________

V. ELECTIVES (taken to total 122 hours for the degree) ................................................................. 12

2 semester hours of free electives must be outside the major discipline.