

Name _____ SSN _____

Telephone _____ Email _____

A minimum of 61 credits is required for the Geography B.S. degree. This includes 40-41 credits in G & ES plus 21-26 credits in courses from other departments.

Internship and independent study do not count toward the minimum number of credits required for the B.S. degree. Statistics courses taken outside of the department cannot be counted toward the minimum number of credits for the B.S. degree.

I. Required Courses [16 credit hours]

- ___ GEOG 102 Geography of Human Activities [3]
- ___ GEOG 110 Geography of Environmental Systems [3]
- ___ GEOG 280 Map Use & Cartographic Principles [4]
- ___ GEOG 386 Introduction to GIS [3]
- ___ GEOG 301 Quantitative Techniques [3]
or STAT 121, 350, 351, or 355

II. G & ES Electives [24-25 credit hours]

1. Four (4) physical geography courses: Selected topics courses (GEOG 302, GEOG 400) designated by faculty advisor as meeting the requirement can be counted. At least one of these courses must be at 400 level. (Either GEOG 111 or GEOG 120 can be used to fulfill this requirement, but not both.) [12]

2. Two human geography courses at 300 and 400 level. Selected topics courses (GEOG 302, GEOG 400) designated by faculty advisor as meeting the requirement can be counted. [6]

3. Any two G & ES electives one of which must be at 400 level. [6-7]

4. If the statistics course was taken outside of the department in place of GEOG 301 Quantitative Techniques, students need to take one more 300 or 400 level geography course. [3]

III. Electives from outside of the department [21-26 credits]

1. Math requirement [4-6]

- ___ MATH 151 [4] or
- ___ MATH 140 [3] and ___ MATH 141 [3]

2. Two courses from: BIOL 100, CHEM 101, PHYS 111 or 121 [8]

3. One course to complete a year of study in either Biology, Chemistry, Physics, or Math & Statistics to be selected from the following: BIOL 301, CHEM 102, PHYS 112, 122, MATH 152, 221, 225, or STAT 121, 350, 351, 355. GEOG 206 (Ecology) may be substituted for BIOL 301. [3-4]

4. One additional elective from the above list with CMCS 103, 104, 106, and other major programming language courses including Java and Visual Basic also on the list [3-4]

5. One 300 level writing course (3 credits) or one course (3-4 credits 300 or 400) within the department in a field supporting the student's major course of study in consultation with faculty advisor. [3-4]

- GEOG 102 Geog of Human Activities (3)
- GEOG 105 World Regional Geography (3)
- GEOG 110 Geog of Environ Sys (3)
- GEOG 111 Principles of Geology (3)
- GEOG 120 Environ Sci and Conservation (3)
- GEOG 206 Ecology (3)
- GEOG 220 Lab & Field Tech for Env Sci (4)
- GEOG 280 Map Use & Cart Principles (4)
- GEOG 300 History of Geog & Env Thought (3)
- GEOG 301 Quantitative Techniques (3)
- GEOG 302 Selective Topics in Geography (3)
- GEOG 305 Landscape Ecology (3)
- GEOG 306 Field Ecology (4)
- GEOG 310 Geomorphology (3)
- GEOG 311 Weather and Climate (3)
- GEOG 312 Biogeochem Cycles in Global Env (3)
- GEOG 313 Biogeography (3)
- GEOG 314 Geography of Soils (3)
- GEOG 317 Water Quality (3)
- GEOG 318 Natural Env of Chesapeake Bay (3)
- GEOG 319 Ecosystems of N. America (3)
- GEOG 320 Cultural Geography (3)
- GEOG 325 Historical Geography (3)
- GEOG 326 Conservation Thought (3)
- GEOG 327 Cultural Ecology (3)
- GEOG 329 Geog of Disease and Health (3)
- GEOG 330 Geog of Economic Development (3)
- GEOG 332 Natural Resources: Prob & Policies (3)
- GEOG 333 Water Resources (3)
- GEOG 337 Transport Development (3)
- GEOG 338 Regional Planning (3)
- GEOG 341 The City (3)
- GEOG 342 Metropolitan Baltimore (3)
- GEOG 350 Social Geography (3)
- GEOG 352 Geog of Crime & Justice (3)
- GEOG 363 World Regions: Contemporary Int. Issues (3)
- GEOG 381 Remote Sensing (4)
- GEOG 383 Stat & Thematic Cartography (4)
- GEOG 386 Intro to Geo Info Sys (GIS) (4)
- GEOG390 History of Cartography (3)
- GEOG 398 Internship in Geography (3)
- GEOG 400 Selected Topics (3)
- GEOG 405 Applied Landscape Ecology (4)
- GEOG 406 Aquatic Ecology (4)
- GEOG 410 Coastal Morphology (3)
- GEOG 411 Fluvial Morphology (3)
- GEOG 415 Climate Change (3)
- GEOG 416 Hydrology (4)
- GEOG 429 Seminar in Medical Geography (3)
- GEOG 432 Seminar in Mat Res & Env Cons (3)
- GEOG 433 Sustainable Development (3)
- GEOG 435 Geography of Manufacturing (3)
- GEOG 438 Select Topics in Trans Geog (3)
- GEOG 441 The US City (3)
- GEOG 442 Seminar in Metropolitan Baltimore (3)
- GEOG 450 Seminar in Social Geography (3)
- GEOG 451 City and Globalization (3)
- GEOG 461 Nature and the City (3)
- GEOG 480 Advanced Cartographic Design (4)
- GEOG 481 Remote Sensing of Env (3)
- GEOG 482 Cartographic Internship (3)
- GEOG 483 GIS Internship (3)
- GEOG 485 Field Methods: Env Mapping (3)
- GEOG 486 Advanced Applications of GIS (3)
- GEOG 491 Independent Study in Geog (1-3)
- GEOG 497 Research Internship (3)
- GEOG 498 Env & Pub Policy Internship (3)