

Environmental Analysis & Planning

	For Major
Hours Required in Geography:	46
Hours Required in Biology:	21-23
Hours Required in Other Departments:	17
Total Hours Required:	84-86

Major

Coordinator:

D. Duckson, Professor and Chair, Department of Geography

Participating Faculty:

Professors:

D. Duckson (Geography), Riley (Biology), Small (Geography), Vail (Biology)

Associate Professors:

G. Brewer (Biology), Caupp (Geography), Precht (Geography)

Assistant Professors:

Bowe (Biology), Pegg (Biology), Shumway (Biology), Xu (Geography)

Instructors:

Neave (Geography)

- This multidisciplinary program is jointly administered by the Departments of Biology and Geography.
- You may not minor in Environmental Analysis and Planning.
- The program is supported by the Maryland Department of the Environment.
- Internship is optional.
- You must earn at least a 2.0 grade point average in required courses to graduate and complete BIOL 149 and 150, CHEM 101 and 102, MATH 209, and GEOG 103 and 275 (or honors equivalents) with a grade of C or better.
- Students are advised to complete the above courses within their first 60 hours of course work, and before enrolling in 400 level courses in Geography and Biology.

Summary of Requirements for Major in Environmental Analysis and Planning

Major

1. Courses in Biology:

(21-23 hours)

BIOL 149, 150 General Biology I and II (149-GEP LAC Group C)
 BIOL 314 Plant Taxonomy
 BIOL 340 General Ecology

Take 2 of 4 courses:*

BIOL 303 Plant Physiology
 BIOL 304 Microbiology
 BIOL 421 Sample Design and Analysis of Plant Communities
 BIOL 430 Limnology

2. Courses in Geography:

(46 hours)

GEOG 103 Physical Geography (GEP LAC Group C)
 or GEOG 113 Honors Physical Geography
 GEOG 275 Introduction to Spatial Analysis
 GEOG 307 Advanced Physical Geology
 GEOG 308 Advanced Historical Geology
 GEOG 310 Cartography
 GEOG 413 Remote Sensing: Aerial Photo Interpretation
 GEOG 432 Hydrology
 GEOG 433 Surveying
 GEOG 440 Introduction to Soils
 GEOG 441 Soil Analysis
 GEOG 470 Soil & Water Engineering
 GEOG 471 Engineering for Land Development
 GEOG 472 Environmental Planning
 GEOG 473 Environmental Law

3. Required Courses in Other Departments:

(17 hours)

CHEM 101,102 General Chemistry I and II (101-GEP LAC Group C)
 ENGL 338 Technical Writing (GEP BR Adv. Comp.)
 MATH 209 Elements of Applied Probability and Statistics (GEP BR Math)
 MATH 220 Calculus for Applications
 or MATH 226 Calculus I (GEP BR Math)

* GEOG 445, Biogeography, may be substituted for one of the BIOL electives.