COURSE WORK CHECKLIST FOR THE
GEOL OGY MAJOR WITH CONCENTRATION IN ENVIRONMENTAL STUDIES (ES)
at Bryn Mawr College
(17 courses)

Contact person: Prof. Don Barber, Geology Department
dbarber@brynmawr.edu

The following four classes are required for all ES Concentrators, regardless of major:

- CITY 175  Environment and Society  (fall)
- GEOL 103  Environmental Geology (spring)
- BIOL 220  Ecology
- GEOL 397  Environmental Senior Seminar

The following courses are required for the Geology major with ES concentration:

- GEOL 101  Physical Geology
- CHEM 101 OR CHEM 103 General Chemistry I (circle one)
- CHEM 104  General Chemistry II
- GEOL 202  Mineralogy
- GEOL 302 Low-temp. Geochemistry OR GEOL 328 Geospatial Data Analysis (one is required, both are recommended)
- GEOL 403  Independent Research (thesis project, fall semester senior year)

Two additional 200-level geology courses:

- GEOL 200-level elective  ______________________
- GEOL 200-level elective  ______________________

One additional 300-level course:

- GEOL 312  Quaternary Geology (every other year)
- GEOL 314  Marine Geology (every other year)
- GEOL 300-level elective  ______________________

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Two semesters of math, statistics or computational methods (e.g., those listed below, or others approved by the major advisor in geology):

- MATH 101/102  Calculus with Analytic Geometry I/II
- MATH 104  Elements of Probability and Statistics
- MATH 201  Multivariable Calculus
- MATH 203  Linear Algebra
- MATH 210  Differential Equations with Applications
- CMSC 110  Introduction to Computing
- CMSC 120  Visualizing Information
- CMSC 205  Introduction to Computer Science
- CMSC 206  Introduction to Data Structure
- GEOL 250  Computational Models in the Sciences

All ES concentrators also must take two environment-related courses from outside the natural sciences.

One of these should cover topics related to Environmental Planning and Policy, e.g.,

- CITY/ANTH 190  Form of the City
- CITY 227  Topics in Modern Planning
- CITY 229  Comparative Urbanism
- ECON 234  Environmental Economics
- POLS/CITY 222  Introduction to Environmental Issues

One should address issues of Humans in the Environment, e.g.,

- ANTH 203  Human Ecology
- ENGL 204  Literatures of American Expansion
- ENGL 309  Native American Literature
- HIST/CITY 237  Urbanization in Africa

For a complete list of approved courses in these two categories, visit the ES website: www.brynmawr.edu/es. Note that many of these courses from outside the natural sciences can be used also to fulfill students' College Division I and III requirements.