BS Geology - Water & Environment Concentration
Program Checklist
Lock Haven University of Pennsylvania
(Graduation: Required Minimum—120 Semester Hours)

I  Arts & Science General Education Requirements  52 sh
A. Humanities  18 sh
- Art, Music, Theater (3)       Philosophy (3)       Literature (3)
- Art, Music, Theater (3)       Composition (3)       Speech (3)
B. Social and Behavioral Sciences  12 sh
- Government or Economics (3)   History (3)
- Anthropology or Sociology (3) Psychology (3)
C. Natural Science and Mathematics  9 sh
- Laboratory Science (6) GEOS 130 GEOS 131
- Mathematics (Math 113) (3)
D. Health, Physical Education and Recreation  3 sh
- Health, Physical Education, or Recreation (3)
E. Electives - Recommended  10 sh
(May not include courses counted above. May include courses in the major or supporting areas.)
ENVT 1XX Environmental Studies (3) GEOG 180 Urban Geography (3)
ENGL 150 Introduction to Communication (3)

II  Supporting Requirements  14 sh
BIOL 106 Biology I (3) CHEM 120 Chemistry I (4)
BIOL 107 Biology II (3) CHEM 121 Chemistry II (4)

III  Core Requirements  42 sh
GEOS 120 Oceanography (3) GEOS 451 Coastal Env. Oceanography (3)
GEOS 213 Introduction to GIS (3) GEOS 313 Advanced GIS (3)
GEOS 215 Environmental Geology (3)
GEOS 230 Geomorphology (3) GEOS 315 Sedimentology (3)
GEOS 260 Geology Field Trip (1 sh/each) (4) GEOS 305 Mineralogy & Petrology (4)
GEOS 360 Hydrogeology (4) GEOS 361 Aq. Env. Geochemistry (3)
GEOS 369 Internship/FIELD Camp (4) GEOS 490 Capstone Research Project (2)

IV  Science Electives 200+ Level—Recommended  6 sh
GEOS 301 Invert. Paleontology (3) GEOS 450 Geophysics & Tectonics (4)
GEOS 328 Science Seminar (Water) (3) BIOL 108 Field Natural History (3)
GEOS 415 Stratigraphy (3) BIOL 309 Ecology (3)
GEOS 430 Structural Geology (3) BIOL 415 Environmental Policy & Regulation (3)
GEOS 499 Independent Study (-)

V  Non-science Electives 200+ Level—Recommended  6 sh
ECON 301 Economics of the Environment (3) ENGL 360 Technical Writing (3)
ECON 301 Economics of the Environment (3) RECR 320 Interpreting Environment (3)
JOUR 300 Environmental Journalism (3) PHIL 400 Ethics and the Environment (3)
GEOG 305 Conservation of Natural Resources (3)

08/01/11