EARTH SCIENCES B.S. - Environmental Geology Concentration

Name: ___________________________  Date: ___________________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *=Not offered this year)

ID#: ___________________________

NOTE: Courses appearing in more than one category can fulfill only one requirement.

**INTRODUCTORY REQUIREMENTS**

**Calculus:** MATH 11A (FWS) ___ OR MATH 19A (FWS)
MATH 11B (FWS) ___ OR MATH 19B (FWS)

**Chemistry:** CHEM 1A (FWS) ___ + CHEM 1B/M (FWS) ___ + CHEM 1C/N (FWS) ___

**Geology:** ONE from the following...
- EART 5/L California Geology Laboratory (F) ___
- EART 10/L Geological Principles Laboratory (S) ___
- EART 20/L Environmental Geology Laboratory (W) ___ (recommended)

**Environmental Studies:** ENVS 25 (W) ___

**Biology:** BIOL 20A (FWS) ___
BIOL 20B (FWS) ___
BIOL 20C (FWS) ___ OR ENVS 24 (F) ___

**Physics:** PHYS 6A/L (FWS) ___ OR PHYS 5A/L (F)
PHYS 6B/M (WS) ___ OR PHYS 5B/M (W)

**ADVANCED REQUIREMENTS**

- EART 110A/L Evolution of the Earth (F) ___
- EART 110B/M Earth as a Chemical System (W) ___
- BIOE 107 Ecology (WS) ___
- EART 190 Earth Science Mentorship (F) ___ (Optional)

**Topical Electives:** FOUR from the following...
- EART 100/L Vertebrate Paleontology (W) ___
- EART 101/L The fossil Record (F) ___
- EART 102 Marine Geology (F) ___
- EART 104 Geologic Hazards (F) ___
- EART 105 Coastal Geology (S) ___
- EART 107 Remote Sensing of the Environment (W) ___
- EART 109/L Elements of Field Geology/ Lab (FS) ___
- EART 110C/N The Dynamic Earth (S) ___
- EART 111 Mathematics in the Earth Sciences (F) ___
- EART 116 Hydrology (*) ___
- EART 119 Introduction to Scientific Computing (W) ___
- EART 120/L Sedimentology and Stratigraphy (S) ___
- EART 121 The Atmosphere (*) ___
- EART 125 Paleobiology (*) ___
- EART 128 Isotopes: Fundamentals & Appl. in Earth & Marine Sciences (W) ___
- EART 140/L Geomorphology (W) ___
- EART 142 Engineering Geology (*) ___
- EART 146 Ground Water (W) ___
- EART 148 Glaciology (S) ___
- EART 150/L Structural Geology (F) ___

**General Electives:** TWO upper division courses with environmental topics from the following...
- BIOE, BIOL, CHEM, EART, ENVS, METX, OCEA (100-180) ___ ___

**COMPREHENSIVE REQUIREMENTS**

ONE from the following...
- Senior Field Internship EART 188A (S) ___ + 188B (S) ___
  (EART 109/L is a prerequisite)
- ONE 5-unit graduate course or seminar ___
- Senior Thesis ___