EARTH SCIENCES B.S. - Environmental Geology Concentration

INTRODUCTORY REQUIREMENTS

**Calculus:**
- MATH 11A (FWS) ___ + 11B (FWS) ___
- OR MATH 19A (FWS) ___ + 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) ___ + BIOE 20B (FWS) ___
- BIOE 20C (FWS) ___ OR ENVS 24 (F) ___

**Physics:**
- PHYS 6A/L (FW) ___ + 6B/M (WS) ___
- OR PHYS 5A/L (F) ___ + 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 (*) ___
  - 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 Field Geology (FS) ___
  - EART 110C/N The Dynamic Earth (S) ___
  - EART 111 Mathematics in the Earth Sciences (F) ___
  - EART 116 Hydrology (W) ___
  - EART 119 Introduction to Scientific Computing (W) ___
  - EART 120/L Sedimentology and Stratigraphy (S) ___
  - EART 121 The Atmosphere (W) ___
  - EART 125 Paleobiology ( ) ___
  - EART 128 Isotopes: Fundamentals & Appl. in Earth & Marine Sciences (*) ___
  - EART 140/L Geomorphology (*) ___
  - EART 142 Engineering Geology (S) ___
  - EART 146 Ground Water (*) ___
  - EART 148 Glaciology (*) ___
  - 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 REQUIREMENT

Complete ONE of the following...
- Senior Field Internship EART 188A + 188B (EART 109/L is a prerequisite) ___ ___
- Senior Thesis ___
- One 5-unit graduate course (permission by instructor required) ___