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) ___
- BIOE 20B (FWS) ___
- BIOE 20C (FWS) ___

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

**ADVANCED REQUIREMENTS**

**Geology:**
- 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 (W) ___
  - 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 (W) ___
  - EART 119 Introduction to Scientific Computing (W) ___
  - EART 120/L Sedimentology and Stratigraphy (S) ___
  - EART 121 The Atmosphere (W) ___
  - EART 125 Paleobiology (W) ___
  - EART 128 Isotopes: Fundamentals & Appl. in Earth & Marine Sciences (*) ___
  - EART 140/L Geomorphology (W) ___
  - 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...
  - 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)
  - Senior Thesis ___ Earth Sciences 195
  - ONE 5-unit graduate course or seminar ___ Grade B or better
  - Satisfactory completion of Earth Sciences 191
  - Satisfactory completion of 5 credit internship

Earth Sciences Policy 198