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 (W) ___
        EART 20/L Environmental Geology Laboratory (S) ___  (recommemded)

Environmental Studies:  ENVS 25 (W) ___

Biology:  BIOE 20C (FWS) ___

Physics:  PHYS 6A/L (FWS) ___ + PHYS 6 B/M___  (WS) (preferred)
        OR  PHYS 5 A/L (F) ___ OR PHYS 5B/M___ (W)

ADVANCED REQUIREMENTS

EART 110A/L Evolution of the Earth (F) ___
EART 110B/M Earth as a Chemical System (W) ___
EART 190 Earth Science Mentorship (F) ___  (One Credit; Optional)

Electives:  Complete six upper-division elective courses (5+ credits each) Earth Sciences or Ocean Sciences courses. Recommended courses are listed below.

Environmental Electives:  Two 5 unit upper division courses with environmental topics from the following...
        BIOE, BIOL, CHEM, EART, ENVS, METX, OCEA ___ ___

Recommended Electives:

EART 100/L Vertebrate Paleontology (W) ___
EART 101/L Invertebrate Paleobiology (F) ___
EART 102 Marine Geology (W) ___
EART 104 Geologic Hazards (F) ___
EART 105 Coastal Geology (F) ___
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 (S) ___
EART 119 Introduction to Scientific Computing (W) ___
EART 120/L Sedimentology and Stratigraphy (S) ___
EART 121 The Atmosphere (*) ___
EART 125 Statistics and Data Analysis in the Geosciences (W) ___
EART 128 Isotopes (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) ___

DC Requirement:  Two of the six required electives must be completed from courses that are part of the Earth Sciences Disciplinary Communication Curriculum...
        EART 100 Vertebrate Paleontology (W) ___
        EART 101 Invertebrate Paleobiology (F) ___
        EART 102 Marine Geology (*) ___
        EART 104 Geologic Hazards (F) ___
        EART 109 Elements of Field Geology (FS) ___
        EART 120 Sedimentology and Stratigraphy (S) ___

NOTE: Courses may simultaneously satisfy both the upper-division elective and DC requirement.

COMPREHENSIVE REQUIREMENT OPTIONS

ONE from the following list of Senior Capstone options:
Summer Senior Field:  EART 188A (S) ___ + 188B (S) ___  (EART 109/L is a prerequisite)
Senior Thesis:  enroll in EART 195 (FWS) ___ in the quarter that the thesis will be completed (required)
Graduate course or seminar:  Must achieve grade of B or better; course must be 5-units and include written report ___
EART 191 Climate Change Science & Policy (W) ___
EART 195 Senior Thesis (FWS) ___
EART 198A Summer Field Internship (S) ___
EART 188A Summer Field Internship (S) ___
EART 191 Climate Change Science & Policy (W) ___
EART 195 Senior Thesis (FWS) ___

NOTE: none of the above may count toward fulfilling an upper-division elective if used as a capstone.