EARTH SCIENCES B.S. - Ocean Sciences 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) OR MATH 15A (W) 15B (S)  
          MATH 11B (FWS) ___ OR MATH 19B (FWS)

Advanced Mathematics:  EART 111 (F) ___ OR MATH 22 (WS) ___ OR MATH 23A (FWS) ___

General 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) ___

Biology:  BIOL 20A (FWS) ___
          BIOE 20B (FWS) ___

Organic Chemistry:  CHEM 108A/L (FW) ___ + CHEM 108B/M (WS) ___
                  OR CHEM 112A/L (*) ___ + CHEM 112B/M (*) ___ + CHEM 112C/N (*) ___

Physics:  PHYS 6A/L (FWS) ___ OR PHYS 5A/L (F)
         (preferred) 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) ___
EART 110C/N The Dynamic Earth (S) ___
OCEA 101 The Marine Environment (W) ___
OR OCEA 102 Oceans and Climates: Past, Present, and Future (S) ___
EART 190 Earth Science Mentorship (F) ____ (Optional)

Electives:  FOUR from the following...
          EART 101/L The Fossil Record (F) ___
          EART 102 Marine Geology (W) ___
          EART 105 Coastal Geology (S) ___
          EART 107 Remote Sensing of the Environment (W) ___
          EART 109/L Elements Field Geology (FS) ___
          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 128 Isotopes: Fundamentals & Appl. in Earth & Marine Sciences (*) ___
          EART 130/L Magmas and Volcanos Laboratory (S) ___
          EART 148 Glaciology (*) ___
          EART 172 Geophysical Fluid Dynamics (S) ___
          CHEM 122 Principles of Instrumental Analysis (F) ___
          OCEA 101 The Marine Environment (W) ___
          OCEA 102 Oceans and Climates: Past, Present, and Future (S) ___
          OCEA 118 Marine Microbal Ecology (S) ___
          OCEA 120 Aquatic Chemistry: Principles and Applications (*) ___
          OCEA 130 Biological Oceanography (S) ___
          OCEA 200 Physical Oceanography (F) ___
          OCEA 220 Chemical Oceanography (W) ___
          OCEA 260 Intro. Data Analysis in the Ocean & Earth Sciences (W) ___

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 ___