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)
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 (F) ___ + CHEM 112B/M (W) ___ + CHEM 112C/N (S) ___

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) ___
EART 110C/N The Dynamic Earth (S) ___
OCEA 101 The Marine Environment (W) ___
OR OCEA 102 Oceans and Climates: Past, Present, and Future (*) ___
EART 190 Earth Science Mentorship (F) ___ (Optional)

Electives: FOUR from the following...
EART 101/L The Fossil Record (F) ___
EART 102 Marine Geology (F) ___
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 (*) ___
EART 119 Introduction to Scientific Computing (W) ___
EART 120/L Sedimentology and Stratigraphy (S) ___
EART 121 The Atmosphere (*) ___
EART 128 Isotopes: Fundamentals & Appl. in Earth & Marine Sciences (W) ___
EART 130/L Magmas and Volcanoes Laboratory (S) ___
EART 148 Glaciology (S) ___
EART 172 Geophysical Fluid Dynamics (WS) ___
CHEM 122 Principles of Instrumental Analysis (F) ___
OCEA 101 The Marine Environment (W) ___
OCEA 102 Oceans and Climates: Past, Present, and Future (*) ___
OCEA 118 Marine Microbial Ecology (S) ___
OCEA 120 Aquatic Chemistry: Principles and Applications (S) ___
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 (S) ___

COMPREHENSIVE REQUIREMENTS

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