LOWER-DIVISION CORE REQUIREMENTS

Biology          BILD 3
Math       20A  20B  20C  (Math 20D recommended)
Chemistry     6A  6B  6C  7L
Physics        2A  2B  2C
Economics      1
SIO            50

UPPER-DIVISION REQUIREMENTS

Environmental Systems 101   Environmental Biology
Environmental Systems 102   The Solid and Fluid Earth
Environmental Systems 103   Environmental Challenges: Science and Solutions
Economics 131   Economics of the Environment (Econ 2 prerequisite waived)
Political Science 160AA   Introduction to Policy Analysis (PoliSci 10 or 11 prerequisite waived)
Math 183   Statistical Methods (prereq is Math 20C)
SIO 102   Introduction to Geochemistry

Upper-division Earth Sciences Restricted Electives: Students must complete a minimum of four courses selected from the following list:

SIO 100   Introduction to Field Methods
SIO 103   Introduction to Geophysics
SIO 104   Paleobiology and History of Life
SIO 105   Sedimentology and Stratigraphy
SIO 106   Introduction to Hydrogeology
SIO 110   Introduction to GIS and GPS for Scientists
SIO 120   Introduction to Mineralogy
SIO 135   Satellite and Remote Sensing
SIO 144   Introduction to Isotope Geochemistry
SIO 150   Whole Earth Geochemistry
SIO 152   Petrology and Petrography
SIO 160   Introduction to Tectonics
SIO 162   Structural Geology
SIO 199   Independent Study

Upper-division Electives: Students must complete a minimum of three courses selected from the following list: Students may use any additional course(s) from the Earth Science Restricted Electives list (above) as an upper division elective.

SIO 101   California Coastal Oceanography
SIO 111   Introduction to Ocean Waves
SIO 115   Ice and the Climate System
SIO 117   The Physical Basis of Global Warming
SIO 119   Physics and Chemistry of the Ocean
SIO 138   Coral Reef Environments
SIO 141   Chemical Principles of Marine Systems
SIO 143   Ocean Acidification
SIO 170   Introduction to Volcanology

Other courses may be substituted by petition

ENVIRONMENTAL SYSTEMS SENIOR INTERNSHIP AND PROJECT (required of all majors)

ESYS 190A   Integrative Project (8 units)
ESYS 190B   Senior Seminar (4 units)