Lower-Division Requirements

Math
20A_____ 20B_____ 20C_____ 20D_____  
Chemistry
6A _____ 6B _____ 6C _____  
Physics
2A _____ 2B _____ 2C _____ or 4A_____4B_____4C_____  
Biology
BILD 3 _____  
SIO 50* _____

Group A: Earth Science Upper-Division Core Requirements (all courses are required):

SIO 100 _____ Introduction to Field Methods  
SIO 102 _____ Introduction to Geochemistry  
SIO 103 _____ Introduction to Geophysics  
SIO 104 _____ Paleobiology and History of Life*

Group B: Upper-Division Earth Science Restricted Electives (choose at least 3 of the following):

SIO 105 _____ Sedimentology and Stratigraphy  
SIO 106 _____ Introduction to Hydrogeology  
SIO 113 _____ Introduction to Computational Earth Science  
SIO 120 _____ Introduction to Mineralogy  
SIO 141 _____ Chemical Principles of Marine Systems  
SIO 144 _____ Introduction to Isotope Geochemistry  
SIO 152 _____ Petrology and Petrography  
SIO 160 _____ Introduction to Tectonics  
SIO 162 _____ Structural Geology  
SIO 182 _____ Environmental & Exploration Geophysics

Group C: Upper-Division Restricted Electives: (choose at least 5 of the following):
Student may use any additional course(s) from the Earth Science Restricted Electives list (Group B, above) as a Group C elective

SIO 101_____ California Coastal Oceanography  
SIO 108_____ Introduction to Paleoclimatology  
SIO 110_____ Introduction to GIS & GPS for Scientists  
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 Oceans  
SIO 135_____ Satellite Remote Sensing  
SIO 138_____ The Coral Reef Environment  
SIO 143_____ Ocean Acidification  
SIO 150_____ Physics & Chemistry of Planetary Interiors  
SIO 155_____ Whole Earth Geochemistry  
SIO 170_____ Introduction to Volcanology  
SIO 171_____ Introduction to Physical Oceanography  
SIO 172_____ Physics of the Atmosphere  
SIO 173_____ Dynamics of the Atmosphere and Climate  
SIO 180_____ Communicating Science to Informal Audiences  
SIO 199_____ Independent Study  
CHEM 173_____ Atmospheric Chemistry  
CHEM 120A_____ Inorganic Chemistry  
CHEM 127 _____ Physical Chemistry  
CHEM 140A_____ Organic Chemistry I  
CHEM 140B_____ Organic Chemistry II  
CHEM 171 _____ Environmental Chemistry I  
CHEM 172 _____ Environmental Chemistry II  
PHYSICS 100A_____ Electromagnetism I  
PHYSICS 100B_____ Electromagnetism II  
PHYSICS 100C_____ Electromagnetism III  
PHYSICS 105A_____ Mathematical and Comp Physics I  
PHYSICS 105B_____ Mathematical and Comp Physics II  
PHYSICS 110A_____ Mechanics I  
PHYSICS 110B_____ Mechanics II  
PHYSICS 121 _____ Experimental Techniques  
MAE 131A _____ Solid Mechanics I

Courses marked with an “*” indicate 6 unit courses. All other SIO courses are 4 units