

**ENVIRONMENTAL SYSTEMS/EARTH SCIENCES DEGREE CHECK LIST****LOWER-DIVISION CORE REQUIREMENTS**

Biology BILD 3 \_\_\_\_\_  
 Math 20A \_\_\_\_\_ 20B \_\_\_\_\_ 20C \_\_\_\_\_ ( or Math 10A \_\_\_\_\_ 10B \_\_\_\_\_ 10C \_\_\_\_\_ )  
 Chemistry 6A \_\_\_\_\_ 6B \_\_\_\_\_ 6C \_\_\_\_\_ 6BL \_\_\_\_\_  
 Physics 2A \_\_\_\_\_ 2B \_\_\_\_\_ 2C \_\_\_\_\_ **OR**  
 Physics 1A \_\_\_\_\_ 1AL \_\_\_\_\_ 1B \_\_\_\_\_ 1BL \_\_\_\_\_ 1C \_\_\_\_\_ 1CL \_\_\_\_\_  
 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 \_\_\_\_\_ Environmental Economics (Econ 2 prerequisite waived)  
 Political Science 160A A \_\_\_\_\_ Intro.to Policy Analysis(PoliSci 10 or 11 prerequisite waived)  
 Math 183 \_\_\_\_\_ Statistical Methods (prereq is Math 20C)  
 SIO 102 \_\_\_\_\_ Introduction to Geochemistry

**UPPER-DIVISION CURRICULUM** (7 REQUIRED COURSES FROM LIST BELOW) If specializing in another track, choose (5) from EARTH track and (2) from other track of choice. Must petition this action.

SIO 100 \_\_\_\_\_ Introduction to Field Methods  
 SIO 104 \_\_\_\_\_ Paleobiology and History of Life  
 SIO 105 \_\_\_\_\_ Sedimentology and Stratigraphy  
 SIO 110 \_\_\_\_\_ Introduction to GIS and GPS for Scientists  
 SIO 112 \_\_\_\_\_ Urban Landscapes  
 SIO 120 \_\_\_\_\_ Mineralogy  
 SIO 144 \_\_\_\_\_ Isotope Geochemistry  
 SIO 160 \_\_\_\_\_ Introduction to Tectonics  
 SIO 162 \_\_\_\_\_ Structural Geology  
 SIO 185 \_\_\_\_\_ Applied Complexity  
 SIO 199 \_\_\_\_\_ Independent Study for Undergraduates  
 BIEB 132 \_\_\_\_\_ Introduction to Marine Biology  
 BIEB 134 \_\_\_\_\_ Introduction to Biological Oceanography  
 Chemistry 149A \_\_\_\_\_ Environmental Chemistry  
 Chemistry 173 \_\_\_\_\_ Atmospheric Chemistry  
 ESYS 120 \_\_\_\_\_ Science and Environmental Writing  
 ESYS 199 \_\_\_\_\_ Independent Study  
 SIO 210 \_\_\_\_\_ Physical Oceanography  
 SIO 240 \_\_\_\_\_ Marine Geology

**OTHER SIO COURSES BY PETITION****ENVIRONMENTAL SYSTEMS SENIOR INTERNSHIP AND PROJECT** (required of all majors)

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