REQUIRED CORE COURSES ALL ESYS MAJORS

- ESYS 103 Environmental Challenges: Science and Solutions
- ECON 131 Economics of the Environment (Econ 2 prereq must be waived by Econ Dept, submit request at easy.ucsd.edu)

ESYS EBE
Core Requirements
- BICD 100 Genetics
Labs
- BIEB 121 Ecology Lab
Electives
- BIEB 152 Evolution of Infectious Diseases
- BIEB 166 Animal Communication
- SIO 125 Biomechanics of Marine Life
- SIO 128 Microbial Life in the Extreme Environments
- SIO 133 Marine Mammal Biology
- SIO 187 Statistical Methods in Marine Biology

ESYS ENVIRONMENTAL POLICY
Electives
- ECON 125 Economics of Population Growth
- ECON 130 Public Policy
- ECON 135 Urban Economics
- POLI 150A Politics of Immigration
- ANBI 132 Conservation and the Human Predicament
- ENVR 102 Selected Topics in Environmental Studies
- ENVR 110 Environmental Law
- ENVR 140 Wilderness and Human Values
- PHIL 148 Philosophy of the Environment
- PHIL 164 Technology and Human Values
- USP 171 Sustainable Development

ESYS EARTH SCIENCES
Upper-division Restricted Electives (minimum of 3 courses needed for major)
- SIO 135 Satellite and Remote Sensing
- SIO 152 Petrology and Petrography
- SIO 160 Introduction to Global Tectonics
Upper-division Electives (minimum of 2 courses needed for major)
- SIO 111 Introduction to Ocean Waves
- SIO 138 The Coral Reef Environment
- SIO 141 Chemical Principles of Marine Systems
- SIO 164 Underwater Archeology
- SIO 166 Environmental Archeology
- SIO 182 Environmental and Exploration Geophysics
- CHEM 173 Atmospheric Chemistry

**ESYS ENVIRONMENTAL CHEMISTRY**

Core Requirements
- CHEM 100A Analytical Chemistry Laboratory
- CHEM 100B Instrumental Chemistry Laboratory

Electives
- CHEM 173 Atmospheric Chemistry
- CHEM 174 Chemical Principles of Marine Systems