



ESYS COURSES – FALL 2021 QUARTER

Please note that this course list is not exhaustive and other courses can be considered via petition. Contact an ESYS Advisor on the VAC (vac.ucsd.edu) with any questions.

REQUIRED CORE COURSES ALL ESYS MAJORS

- ESYS 101 Environmental Biology
- ECON 131 Economics of the Environment (ECON 1 is a prerequisite, ECON 2 prerequisite is waived upon request, students should submit a request for pre-authorization to easy.ucsd.edu)
- POLI 165 Special Topics: Policy Analysis (available to petition for POLI 160AA requirement, students planning to graduate in 21-22 should take this course in FA21)
- ESYS 187A Senior Internship Project I (first course in a series of courses over 3 quarters that students should take in their last full academic year, students planning to take the course in FA21 should prioritize other courses before enrolling in ESYS 187A)

ESYS EBE

Core Requirements

- BICD 100 Genetics

Labs

- BIEB 121 Ecology Laboratory
- SIO 101 California Coastal Oceanography

Electives

- BIEB 126 Plant Ecology
- BIEB 174 Ecosystems and Global Change
- SIO 132 Introduction to Marine Biology
- SIO 189 Pollution, Environment & Health

ESYS ENVIRONMENTAL POLICY

Electives

- ECON 130 Public Policy
- SIO 110 Introduction to GIS and GPS for Scientists
- ENVR 102 Selected Topics in Environmental Studies
- COMM 171 Communication and the Environment
- USP 124 Land Use Planning
- USP 171 Sustainable Development

ESYS EARTH SCIENCES

Core Requirements

- SIO 50 Introduction to Earth and Environmental Sciences

Electives

- SIO 100 Introduction to Field Methods
- SIO 101 California Coastal Oceanography
- SIO 103 Introduction to Geophysics
- SIO 105 Sedimentology and Stratigraphy
- SIO 108 Introduction to Paleoclimatology
- SIO 109R Bending the Curve: Climate Change
- SIO 110 Introduction to GIS and GPS for Scientists
- SIO 117 The Physical Basis of Global Warming
- SIO 166 Environmental Archaeology
- SIO 170 Introduction to Volcanology
- CHEM 171 Environmental Chemistry I

ESYS ENVIRONMENTAL CHEMISTRY

Core Requirements

- CHEM 100A Analytical Chemistry Laboratory

Electives

- CHEM 171 Environmental Chemistry I
- CHEM 126A Physical Biochemistry I: Thermodynamics and Kinetics of Biomolecules
- MATH 183 Statistical Methods