

ENVIRONMENTAL SYSTEMS / ECOLOGY, BEHAVIOR, AND EVOLUTION (EBE) DEGREE CHECK LIST

2020/2021

LOWER-DIVISION CORE REQUIREMENTS (All courses must be taken for a Letter Grade)

Biology BILD 1 _____ BILD 3 _____
 Math 10A _____ 10B _____ (or 20A-B), 11 _____
 Chemistry 6A _____ 6B _____ 6C _____
 Physics 1A _____ 1AL _____ 1B _____ 1BL _____ 1C _____ 1CL _____ (or Phys 2A-B-C)
 Economics 1 _____

UPPER-DIVISION CORE 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 prereq must be waived by Econ Dept)
 Political Science 160AA _____ Introduction to Policy Analysis

 BICD 100 _____ Genetics

UPPER-DIVISION ELECTIVES: FIVE courses required from list below, one of which must be a **LAB**.
 Courses that may be used as a lab are **BOLD**.

BIEB 102	_____	Introductory Ecology-Organisms and Habitats		SIO 101	_____	California Coastal Oceanography
BIEB 121	_____	Ecology Laboratory		SIO 125	_____	Biomechanics of Marine Life
BIEB 123	_____	Molecular Methods in Evolution and Ecology Lab		SIO 128	_____	Microbial Life in Extreme Environments
BIEB 126	_____	Plant Ecology		SIO 132	_____	Introduction to Marine Biology
BIEB 128	_____	Insect Diversity		SIO 133	_____	Marine Mammal Biology
BIEB 130	_____	Marine Conservation Biology		SIO 134	_____	Intro to Biological Oceanography
BIEB 131	_____	Marine Invertebrate Ecol. Lab		SIO 138	_____	The Coral Reef Environment
BIEB 135	_____	Aquatic Ecology Lab		SIO 143	_____	Ocean Acidification
BIEB 140	_____	Biodiversity		SIO 147	_____	Applications of Phylogenetics
BIEB 150	_____	Evolution		SIO 183	_____	Phycology: Marine Plant Biology
BIEB 152	_____	Evolution of Infectious Diseases		SIO 184	_____	Marine Invertebrates
BIEB 166	_____	Animal Communication		SIO 187	_____	Statistical Methods in Marine Biology
BIEB 167	_____	Animal Comm. Lab		SIO 188	_____	Biology of Fishes
BIEB 174	_____	Ecosystems and Global Change		SIO 189	_____	Pollution, Environment, & Health
BIEB 176	_____	Conservation and the Human Predicament				
ENVR 120	_____	Coastal Ecology				

Other courses may be substituted by petition

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

ESYS 187A _____ Integrative Project Qtr 1 (4 units)
 ESYS 187B _____ Integrative Project Qtr 2 (4 units)
 ESYS 187C _____ Senior Seminar (4 units)