

2014-2015

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

LOWER-DIVISION CORE REQUIREMENTS

Biology BILD 3 _____
Math 10A _____ 10B _____ 10C _____
Chemistry 6A _____ 6B _____ 6C _____ 7L _____
Physics 1A _____ 1AL _____ 1B _____ 1BL _____ 1C _____ 1CL _____
Economics 1 _____

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 _____ Economics of the Environment (Econ 2 prerequisite waived)
Political Science 160AA _____ Intro to Policy Analysis (PoliSci 10 or 11 prerequisite waived)
BICD 100 _____ Genetics (BILD 1 prerequisite-presently Biology instructors
are not waiving prereq.)
BIEB 100 _____ Biometry (satisfies upper division Statistics requirement)

UPPER-DIVISION CURRICULUM: 7 REQUIRED COURSES (ONE OF WHICH MUST BE LAB) FROM LIST BELOW. Courses that may be used as a lab are **BOLD**. If specializing in another track, choose (5) from EBE track and (2) from other track of choice. Must petition this action.

BIBC 100	_____	Structural Biochemistry	BIMM 114	_____	Virology
BIBC 102	_____	Metabolic Biochemistry	BIMM 120	_____	Bacteriology
BIBC 103	_____	Biochemical Techniques	BIMM 121	_____	Laboratory in Microbiology
BIBC 120	_____	Nutrition	BIMM 124	_____	Medical Microbiology
BIBC 130	_____	Marine Biochemistry	BIPN 100	_____	Mammalian Physiology I
BICD 110	_____	Cell Biology	BIPN 102	_____	Mammalian Physiology II
BICD 120	_____	Fundamental of Plant Biology	BIPN 105	_____	Animal Physiology Lab (6)
BICD 130	_____	Embryos, Genes, and Development			Students may now take BIPN 100 concurrently
BICD 134	_____	Human Reproduction and Development	BIPN 106	_____	Comparative Physiology
BIEB 102	_____	Introductory Ecology-Organisms and Habitat	SIO 101	_____	California Coastal Oceanography
BIEB 121	_____	Ecology Laboratory	SIO 126	_____	Marine Microbiology (BIMM 120/BIBC 102 prerequisites <i>WAIVED</i>)
BIEB 126	_____	Plant Ecology	SIO 126L	_____	Marine Microbiology Lab
BIEB 131	_____	Marine Invertebrate Ecol. Lab	SIO 132	_____	Introduction to Marine Biology
BIEB 140	_____	Biodiversity	SIO 133	_____	Marine Mammal Biology
BIEB 144	_____	Quantitative Ecology and Conservations	SIO 134	_____	Intro to Biological Oceanography
BIEB 150	_____	Evolution	SIO 138	_____	The Coral Reef Environment
BIEB 156	_____	Population Genetics	SIO 143	_____	Ocean Acidification
BIEB 164	_____	Behavioural Ecology	SIO 147	_____	Applications of Phylogenetics
BIEB 165	_____	Behavioural Ecology Lab	SIO 180	_____	Communicating Science to Informal Audiences
BIEB 166	_____	Animal Communication	SIO 181	_____	Marine Biochemistry
BIEB 167	_____	Animal Comm. Lab	SIO 183	_____	Phycology: Marine Plant Biology
BIEB 176	_____	Conservation and the Human Predicament	SIO 184	_____	Marine Invertebrates
BIMM 100	_____	Molecular Biology	SIO 189	_____	Pollution, Environment, & Health
BIMM 110	_____	Molecular Basis of Human Disease	ESYS 199	_____	Independent Study

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

ESYS 190A _____ Integrative Project (8 units)
ESYS 190B _____ Senior Seminar (4 units)