Environmental Studies – Ecology Major

Students must take a **minimum of 11 courses**, at least **four** of which are at the **300-level or above** to include the following core and elective requirements. No more than one internship (ENST 397) may count toward the major.

CHECK	**Four 300-level** courses completed. *Course numbers:*

REQUIRED CORE COURSES:

Course Number	*Course Title*	*Year*	*Date Taken*
ENST 100	Environment and Society	1st - Fall	
ENST 230	Earth Systems Science	1st - Spring	
BIOL 324	Principles of Ecology*	2nd - Fall	
ENST 200	Introduction to Geographic Information Systems (GIS)	2nd - Spring	
BIOL 323	Biostatistics and Experimental Design*	2nd or 3rd	
ENST/BIOL 321	Conservation Biology and Restoration Ecology*	3rd or 4th	
Environmental Ethics Requirement	*One of the following:* PHIL 301: Ethics and the Environment ENST/PSCI 365: Ethical Dilemmas in Environmental Politics	3rd - Fall or Spring	
ENST 480	Senior Seminar: Creating a Sustainable Society*	4th - Fall	

*Check prerequisites. Note that BIOL 101 and 102 are prerequisites for BIOL 324, BIOL 323, ENST/BIOL 321 and many of the Ecology courses.

NOTE: BIOL 324 (Principles of Ecology) should be taken instead of ENST/BIOL 120 (Ecology and Environmental Problems) for the Ecology Concentration.

ELECTIVE COURSE REQUIREMENTS:

Two additional **Ecology** courses from approved list (see back of form):

Course Number	*Course Title*	*Year*	*Date Taken*
		1st/2nd/3rd/4th	
		1st/2nd/3rd/4th	

One additional **Humanities and Social Science** course from approved list (see back of form):

Course Number	*Course Title*	*Year*	*Date Taken*
		1st/2nd/3rd/4th	

Depending on career interests, and in consultation with their concentration advisor, students should also consider taking CHEM 201, 202, 311, 312 and PHYSICS 105, 106.

Approved Ecology courses:

BIOL 216	Introduction to Evolution*
ENST/CHEM 234	Environmental Chemistry and Toxicology
BIOL 306	Plant and Fungal Diversity*
BIOL 314	Microbiology*
ENST/BIOL 318	Field Ornithology*
BIOL 319	Biology of Invertebrates*
BIOL 322	Herpetology*
BIOL 327	Experimental Ecology*
ENST/BIOL 329	Stream Ecology*
BIOL 345	Behavioral Ecology*
BIOL/ENST 350	Tropical Ecology*

Approved Humanities and Social Sciences courses:

ENST/HIST 248	American Environmental History
ENST/PSCI 260	American Environmental Politics and Policy
ENST/PSCI 262	Global Environmental Sustainability and Asian Development
ENST/ANTH 274	Peoples and Cultures of East Africa
ENST/ANTH 276	Native Americans and the Environment
ENST/ANTH 288	Consuming Passions: The Anthropology of Food
ENST 300	Applied Geographic Information Systems*
ENGL 320	Fiction and Field Study*
ENST/PSYC 355	Psychology and the Environment*
HIST 360	Modern Brazil
ENST/PSCI 361	Globalization and the Environment
ENST/PSCI 362	Global Sustainability and Asian Development
ENST/PSCI 363	Global Responses to Climate Change
ENST/SOC 367	Environmental Sociology
ENST/ECON 370	Environmental and Natural Resources Economics

Common Substitutions (with approval of ES advisor)

MATH 300	Mathematical Modeling*
ENST 250	Directed Readings in Environmental Studies
ENST 270	Special Topics
ENST 275	Experimental Course in Environmental Studies
ENST 370	Special Topics
ENST 375	Experimental Course in Environmental Studies
ENST 397	Internship*
ENST 450	Independent Study*
ENST 451	Independent Research and Writing*

*Check prerequisites