

ENVIRONMENTAL SCIENCE MAJOR (COMPREHENSIVE)

Curriculum

63 total credits

Code	Title	Hours
Core Classes		
ENSC 100	Environmental Science	2.00
BIOL 130	Principles of Biology I	4.00
BIOL 132	Principles of Biology II	4.00
CHEM 105	General Chemistry I	5.00
CHEM 106	General Chemistry II	4.00
GEOL 110	The Dynamic Earth	4.00
MATH 113	Algebra with Applications ¹	3.00
ENSC 200	People and the Environment: Challenges & Actions	3.00
GEOG 241	Fundamentals of GIS I	4.00
BIOL 340	Ecology	4.00
ECON 335 or SMGT 235	Ecological Economics ^{2,3} Economics in Society and Sustainability	3.00
ENSC 350	Environmental Science Research Methods	2.00
LSTU 303	Environmental Law and Regulation	3.00

Two Required Capstone Courses

Select one of the following:	1.00-4.00
ENSC 491 & ENSC 497	Research in Environmental Science and Environmental Science Senior Experience Seminar
ENSC 496 & ENSC 497	Internship in Environmental Science and Environmental Science Senior Experience Seminar

Elective Classes

Select 15 credits of the following: ⁴	15.00
BIOL 300	Marine Biology
BIOL 305	Evolution
BIOL 312	Biogeography and Conservation
BIOL 325	Plant Taxonomy
BIOL 335	Aquatic Entomology
BIOL 350	Limnology
BIOL 355	Microbiology
BIOL 360	Parasitology
BIOL 365	Entomology
BIOL 367	Ornithology
BIOL 380	Vertebrate Biology
BIOL 382	Ichthyology
BIOL 420	Field Biology
CHEM 300	Chemistry of Natural Waters
CHEM 305	Quant Analysis Lecture
CHEM 306	Quantitative Analysis Laboratory
CHEM 320	Organic Chemistry Lecture I
CHEM 321	Organic Chem Lecture II
CHEM 322	Organic Chemistry Lab I

CHEM 323	Organic Chemistry Lab II
ENSC 381	Environmental Science Special Topics
GEOG 343	Fundamentals of GIS II
GEOG 357	Advanced Topics in Human/Environment Interaction
GEOL 120	Our Water Resources
GEOL 315	Climatology
GEOL 360	Geomorphology
PHIL 255	Environmental Ethics
SMGT 320	Renewable Energy for Sustainable Management
SOCI 425	Environmental Justice and Sustainability

Total Hours **61.00-64.00**

¹ MATH 115 Precalculus, MATH 151 Calculus for Business, Life, and Social Sciences, or MATH 240 Calculus and Analytic Geometry I may be completed in place of MATH 113 Algebra with Applications.

² ECON 335 Ecological Economics has pre-requisite courses: ECON 250 Principles Of Microeconomics and ECON 251 Principles Of Macroeconomics, or ECON 235 Economics in Society.

³ SMGT 235 Economics in Society and Sustainability is only offered online. Online classes are charged separately from on-campus classes, and therefore they are not included in the 12-18 credit tuition plateau.

⁴ At least 15 credits from at least two disciplines (i.e., prefixes); 11 credits must be taken at the 300 level or higher