



Course Code	Course Name	Credits	Credits required for BS	Credits required for BA	Prerequisites or co-requisites
Introductory Course					
ENSCI 100	Our Planet in the 21 st century	4	4	4	
Supporting Courses					
GEO 101	Physical Geology	4	21	21	MATH 122
CHEM 113	General Chemistry I (113.4 and 113.1)	5			
BIO 105	General Biology I	4			
MATH 151/141	Calculus I	4 / 3			
PHYS 121	General Physics I (121.4 and 121.1)	5			
Core Courses					
ENSCI 200	Earth Systems Science (Mandatory)	3	ENSCI 200 + 2 additional courses	ENSCI 200 + 1 additional 1 courses	ENSCI 100; CHEM 113; PHYS 121
GEOL 208	Sedimentology and Landscape Evolution	4			GEOL 102
GEOL 216	Oceans and Atmosphere	3			Varies by Instructor
GEOL 210	Water Resources	3			ENSCI 100; GEO 101
BIOL 201	General Microbiology	4			BIOL 106; CHEM 102/114
URBST 230	Environmental and Public Health	3			ENSCI 100
Advanced Courses					
ENSCI 203	Environmental Microbiology	3	12	6	BIOL 105; ENSCI 200; GEOL 101
GEOL 318	Soils in the Environment	4			ENSCI 200; GEOL 101
GEOL 328	Volcanoes and Climate	3			GEOL 201/216 or by permission
GEOL 342	Introduction to Meteorology	3			PHYS 121; MATH 141
GEOL 347	Principals of Hydrology	3			GEOL 101; PHYS 121; CHEM 113
GEOL 349	Environmental Geology	3			GEOL 208
GEOL 356	Principals of Oceanography	3			GEOL 216
GEOL 363	GIS in the Geosciences	3			GEOL 101
GEOL 370	Biogeochemistry	3			ENSCI 200
BIOL 340	Ecology	4			BIOL 287
ENSCI 377	Biosphere-Atmosphere	3			Inquire in SEES office (SB D-216)
GEOL/ENSCI 383	Special Topics (can be taken mult. times)	3			By permission
ENSCI 397	Internship in Environmental Sciences	3			By application
Capstone Course					
ENSCI 373W	Environmental Problem Solving	3	3	3	Senior Standing; Offered every Fall and alternating Springs
Additional Supporting Science (for BS only)					
MATH 114, MATH 114W, MATH 241, BIOL 230	Elem. Probability and Statistics Elem. Probability and Statistics (W) Intro. Probability and Mathematical Stats Biostatistics	3 / 4	Students must take 1 statistics course and at least 12 credits from the remaining options	None	Varies by course (At least 1 course in stats is required for the BS degree)
GEOL 102	Historical Geology	4			GEOL 101
GEOL 200	Methods in Geosciences	3			GEOL 101
BIOL 106	General Biology II	4			BIOL 105
CHEM 114	General Chemistry II	5			CHEM 113
PHYS 122	General Physics	5			PHYS 121
MATH 152/142	Calculus II	4/3			MATH 141/141
Total					64

No substitutions without a full SEES faculty vote.

Contact Dr. Gillian Stewart, the Undergraduate Advisor for Environmental Science for assistance or any special course offerings