

Environmental Sciences, B.S. Marine Sciences Concentration

2024–25 Catalog

This example plan is designed to provide a blueprint for students to complete their degrees within four years. It includes recommended sequences of courses. Individual plans will vary based on previously earned credit, such as Dual Enrollment and AP credit, as well as the student's academic goals. Students will work with an academic advisor to develop a more individualized plan to complete their degree.

This example four-year plan is applicable to students admitted during the 2024–25 academic year.

Total Credits Required: 120 credits

Required GPA for Graduation: 2.0 (institutional)

Courses requiring a C or better are denoted with an asterisk (*).

Legend is available on the last page of this document.

Year 1							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
ENSC 0001	First-Year Academic Seminar	1		GC1Y 1000	Critical Thinking (student's choice) (pre-req to GC2Y 2000)	3	Core
ENGL 1101*	English Composition I (pre-req to ENGL 1102)	3	Core	ENGL 1102	English Composition II	3	Core
BIOL 1107* BIOL 1107L*	Principles of Biology I & Lab (pre-reqs to BIOL 2800)	4	Field	BIOL 1108* BIOL 1108L*	Principles of Biology II & Lab (pre-reqs to BIOL 2800 and ENSC 3500)	4	Field
ENSC 1000* ENSC 1000L*	Intro to Environmental Sci & Lab (pre-reqs to ENSC 2000, 3050, and 3500)	4	Core + Cognate	GEOL 1121* GEOL 1121L*	Physical Geology & Lab (pre-req to GEOL 4100)	4	Field
Core Math*	Math (student's choice) (pre-req to MATH 1401)	3	Core				
Total Semester Hours:		15		Total Semester Hours:		14	
Summer	Core Math, BIOL 1107/1107L, and BIOL 1108/1108L are offered in the summer, as are many other core classes.						
Notes:	ENGL 1101, ENGL 1102, Core Math, ENSC 1000, and GC1Y 1000 must be completed by 30 earned hours. First-Year Academic Seminar is a graduation requirement and impacts a student's GPA; however, it does not count toward the minimum of 120 semester hours required for a degree.						

Year 2							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
ENSC 2000*	Environmental Methods & Measures	3	Field	BIOL 2800*	Ecology (pre-req to ENSC 3050 and 3800)	4	Field
CHEM 1211K*	Principles of Chemistry I & Lab (pre-req to CHEM 1212K)	4	Core + Cognate	CHEM 1212K*	Principles of Chemistry II & Lab	4	Cognate
Core Humanities	Humanities and Ethics (student's choice)	3	Core	GC2Y 2000	Global Perspectives (student's choice)	4	Core
POLS 1101	American Government	3	Core	ENSC 3500*	Marine Biology	4	Major
MATH 1401*	Elementary Statistics	3	Core + Cognate				
Total Semester Hours:		16		Total Semester Hours:		16	
Notes:	BIOL 2800 and GC2Y 2000 must both be taken between 30–59 earned hours. MATH 1261: Calculus I (4 credit hours) can substitute for MATH 1401.						

Year 3							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
GEOG 3100* or ENSC 3800*	Intro to Geographic Information or GIS and Landscape Ecology	3 or 4	Major	ENSC 3050*	Environmental Problems & Sustainable Solutions	3	Major
GEOL 4100* or ENSC 4150*	Intro to Hydrology or Environmental Hydrogeology	4	Major	ENSC 4715*	Oceanography	4	Major
HIST 2111 or HIST 2112	The United States to 1877 or The United States Since 1877	3	Core	PHYS 1111* PHYS 1111L*	Intro to Physics I & Lab (or other options, see Notes below)	4	Major
Core Art	Fine Arts (student's choice)	3	Core	Lang 1002	World Language II (1002-level)	3	Foreign Lang
Lang 1001	World Language I (1001-level)	3	Elective				
Total Semester Hours:		16–17		Total Semester Hours:		14	
Notes:	Students must complete a world language course at the 1002 level or higher. Complete the WebCAPE exam to determine placement for first course. PHYS 1111/1111L can be substituted by CHEM 2800/2800L: Quantitative Analysis & Lab, MATH 1261: Calculus I (if not already taken to meet Cognate requirement), or MATH 1262: Calculus II.						

Year 4							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
Concentration Elective*	Marine Sciences Concentration elective (student's choice)	3–4	Major	Concentration Elective*	Marine Sciences Concentration elective (student's choice)	3–4	Major
Capstone*	Capstone class (see options below)	3–4	Major	Concentration Elective*	Marine Sciences Concentration elective (student's choice)	4	Major
ENSC or GEOL Course*	3000- or 4000-level ENSC or GEOL course	3	Major	Upper-Level Gen Elective	Any 3000- or 4000-level elective	3–4	Elective
Core Social Science	Social Science (student's choice)	3	Core	Gen Elective	Any general elective class	3	Elective
Gen Elective	Any general elective class	3	Elective				
Total Semester Hours:		15–17		Total Semester Hours:		13–15	
Notes:	Choose 3 classes from this list to fulfill Marine Sciences Concentration elective requirements: ENSC 4480, 4795, 4950 (Global Climate Change, 3 credit hours), or 4951 (Coastal Biology, Coral Reef Biology, or Marine Biology in the Bahamas), or BIOL 4490, 4500, or 4610. Capstone options: Course (ENSC 4952 or 4953), internship (ENSC 4961), study abroad (ENSC 4980), or research (ENSC 4996). Research option is 2 semesters. General electives can be in any discipline and any level (1000–4999, unless specified as upper-level).						

Legend	
Area	This section of the plan references the area of the curriculum the course fulfills.
Core	Core IMPACTS — coursework required for every student regardless of major, which includes the following areas: Institutional Priority (GC1Y 1000 and GC2Y 2000); M athematics and Quantitative Skills; P olitical Science and U.S. History; A rts, Humanities, and Ethics; C ommunicating in Writing; T echnology, Mathematics, and Sciences; and S ocial Sciences.
Field	Core Field of Study courses, part of each major's requirements. These courses prepare students for further study in their chosen major field. Field of Study courses are specific to each major program.
Major	Environmental Sciences Major and Marine Science Concentration requirements
Cognate	Cognate courses are required courses within a student's curriculum. These courses are connected to the major but may be from other academic disciplines.
Elective	Course(s) a student selects. Hours are needed to meet overall graduation hours. Number of electives varies per major. Electives can be used towards GC Journeys, minors, or professional/graduate school pre-requisites, or to take courses of interest.