

Environmental Sciences, B.S. Marine Sciences Concentration

2023–24 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 2023–24 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		BIOL 1108* BIOL 1108L*	Principles of Biology II & Lab (pre-reqs to BIOL 2800 and ENSC 3500)	4	F
ENGL 1101*	English Composition I (pre-req to ENGL 1102)	3	A	ENGL 1102	English Composition II	3	A
BIOL 1107* BIOL 1107L*	Principles of Biology I & Lab (pre-reqs to BIOL 2800)	4	F	GEOL 1121* GEOL 1121L*	Physical Geology & Lab (pre-req to GEOL 4100)	4	F + Cognate
ENSC 1000* ENSC 1000L*	Intro to Environmental Sci & Lab (pre-reqs to ENSC 2000, 3050, and 3500)	4	D	Core Area A*	Math (student’s choice) (pre-req to MATH 1401)	3	A
GC1Y 1000	Critical Thinking	3	B				
Semester Hours		15		Semester Hours		14	
Summer	Area A Math, BIOL 1107/1107L, and BIOL 1108/1108L are offered in summer, as are many other core classes.						
Notes:	Area A and ENSC 1000 must be completed by 30 earned hours. First-Year Seminar does not count toward 120 hours required for graduation.						

Year 2							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
ENSC 2000*	Environmental Methods & Measures	3	F	BIOL 2800*	Ecology (pre-req to ENSC 3050 and 3800)	4	F
CHEM 1211K*	Principles of Chemistry I & Lab (pre-req to CHEM 1212K)	4	D	CHEM 1212K*	Principles of Chemistry II & Lab	4	Cognate
Core Area C1	Humanities and Ethics (student's choice)	3	C	GC2Y 2000	Global Perspectives	4	B
Core Area E	Social Science (student's choice)	3	E	Core Area E	Social Science (student's choice)	3	E
MATH 1401*	Elementary Statistics	3	D				
Semester Hours		16		Semester Hours		15	
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
ENSC 3800*	GIS and Landscape Ecology	4	Major	ENSC 3050*	Environmental Problems & Sustainable Solutions	3	Major
GEOL 4100*	Intro to Hydrology	4	Major	ENSC or GEOL Course*	3000- or 4000-level ENSC or GEOL course	3	Major
ENSC 3500*	Marine Biology	4	Major	PHYS 1111* PHYS 1111L*	Intro to Physics I & Lab	4	Major
Core Area C2	Fine Arts (student's choice)	3	C	Core Area E	Social Science (student's choice)	3	E
				Lang 1001	World Language I (1001-level)	3	Foreign Lang
Semester Hours		15		Semester Hours		16	
Notes:	Students must complete a world language course at the 1002 level or higher. Complete the WebCAPE exam to determine placement for first course. ENSC 3800 can be substituted by GEOG 3100: Intro to Geographic Information (3 credit hours). GEOL 4100 can be substituted by ENSC 4150: Environmental Hydrogeology (4 credit hours). PHYS 1111/1111L can be substituted by CHEM 2800/2800L: Quantitative Analysis & Lab, MATH 1261: Calculus I, or MATH 1262: Calculus II (all 4 credit hours).						

Year 4							
Fall				Spring			
Course	Title	Hours	Area	Course	Title	Hours	Area
Concentration Elective*	Marine Sciences Concentration elective (student's choice)	4	Major	Concentration Elective*	Marine Sciences Concentration elective (student's choice)	4	Major
Capstone*	Capstone	3	Major	Concentration Elective*	Marine Sciences Concentration elective (student's choice)	4	Major
ENSC 4715*	Oceanography	4	Major	Upper-Level Gen Elective	Any 3000- or 4000-level elective	3	Elective
Lang 1002*	World Language II (1002-level)	3	Foreign Lang	Gen Elective	Any general elective class	3	Elective
Semester Hours		14		Semester Hours		14	
Notes:	<p>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.</p> <p>Capstone options: Course (ENSC 4952 or 4953), internship (ENSC 4961), study abroad (ENSC 4980), or research (ENSC 4996). Research option is 2 semesters.</p> <p>General electives can be in any discipline and any level (1000–4999, unless specified as upper-level).</p>						

Legend	
Area	This section of the plan references the area of the curriculum the course fulfills.
A	Core Area A: Essential Skills
B	Core Area B: Institutional Options
C	Core Area C: Humanities, Ethics, and Fine Arts
D	Core Area D: Science, Technology, and Math
E	Core Area E: Social Sciences
F	Core Area F: Major Directed Core Requirements
Major	Environmental Sciences Major Requirements
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.
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.