

 FLORIDA ATLANTIC UNIVERSITY	NEW/CHANGE PROGRAM REQUEST Undergraduate Programs		UUPC Approval <u>9/8/25</u> UFS Approval _____ Banner _____ Catalog _____
	Department College Wilkes Honors College		
Program Name Concentration in Marine Biology		<input type="checkbox"/> New Program* <input checked="" type="checkbox"/> Change Program*	Effective Date (TERM & YEAR) Spring 2026
<p>Please explain the requested change(s) and offer rationale below or on an attachment.</p> <p>Currently, the Concentration in Marine Biology lists CHM 2211 and CHM 2205L as electives. However, the preceding courses in the organic chemistry sequence—CHM 2210 and CHM 2204L—are not included. This omission was unintentional and has resulted in these prerequisite courses being ineligible for federal aid for students.</p> <p>To correct this error, we request that CHM 2210 and CHM 2204L be added to the list of electives in the Marine Biology concentration.</p>			
<p><small>*All new programs and changes to existing programs must be accompanied by a catalog entry showing the new or proposed changes.</small></p>			
Faculty Contact/Email/Phone Tracy Mincer/tmincer@fau.edu/68718		Consult and list departments that may be affected by the change(s) and attach documentation N/A	
Approved by Department Chair <u>William O'Brien</u> College Curriculum Chair <u>Kyle Hill</u> College Dean <u>[Signature]</u> UUPC Chair <u>Korey Sorge</u> Undergraduate Studies Dean <u>Dan Meeroff</u> UFS President _____ Provost _____		Date 6/19/25 4/25/2025 <u>6/19/25</u> 9/8/25 9/8/25 _____ _____	

Email this form and attachments to mjenning@fau.edu seven business days before the UUPC meeting.

CONCENTRATION IN MARINE BIOLOGY

Students must earn a "C" or better in each course taken to fulfill a concentration requirement.

The Marine Biology Concentration allows students interested in marine biology to study through a joint program with FAU's Harbor Branch Oceanographic Institution (HBOI).

Several of the classes are taught at the [HBOI campus](#) in Ft. Pierce, FL.

Not every college can boast that it has an excellent academic curriculum, prestigious faculty, and access to some of the most beautiful beaches on the Florida coast. Wilkes Honors College can claim to all those assets, providing students with a chance of the natural environment that surrounds the campus. Life in the sea has been a subject of fascination for thousands of years. One of the most important reasons for the study of sea life is simply to understand the world in which we live. The oceans cover 71% (and rising) of this world, and yet we have only scratched the surface when it comes to understanding them. Scientists estimate that no more than 5% of the oceans have been explored.

ADVISORY BOARD:

Dr. Andia Chaves Fonnegra

Dr. Tracy Mincer

Dr. Jon Moore

Dr. Susan Richardson

CONCENTRATION IN MARINE BIOLOGY

Course #	Course Name	Credits
BSC 1010, 1010L	Honors Biological Principles with Lab	4
BSC 1011, 1011L	Honors Biodiversity with Lab	4
CHM 2045, 2045L	Honors General Chemistry I with Lab	4
CHM 2046, 2046L	Honors General Chemistry II with Lab	4
MAC 2311	Honors Calculus I with Analytic Geometry	4
STA 2023	Honors Introductory Statistics	3
PHY 2048, 2048L	Honors General Physics I with Lab	4
or PHY 2053, 2048L	or Honors College Physics I with Lab	5
PCB 3063	Honors Genetics	4
OCB 3012, 3012L	Honors Marine Biology and Oceanography with Lab	4
OCB 4633, 4633L	Marine Ecology and Lab	4
	Elective Credits (See list below)	23
IDS 4970	Honors Thesis (two semesters)	6
Total Credits		69

Marine Science Electives are given below. Several of these are offered at FAU's Harbor Branch Oceanographic Institution (HBOI). Other FAU marine science courses may be used only with the prior approval of the concentration advisor. Students are reminded that they need 45 credits of upper-level courses to graduate.

MARINE BIOLOGY ELECTIVES

Course #	Course Name	Credits
BCH 3033	Honors Biochemistry	3
BOT 4404/L	Marine Botany with Lab	4
BSC 3452	Honors Experimental Design and Data Analysis	3
BSC 4905	Honors DIS in Biology	3
BSC 4915	Honors Research in Biology	3
BSC 4930	Aquaculture Principles & Practice (HBOI)	3
BSC 4930	Exploring the Ocean (HBOI)	3
BSC 4930	Biology of Sea Turtles	3
BSC 4930	Honors Florida Ecosystems	3
BSC 4930	Honors Biology of Fishes and Lab	4
BSC 4930	Honors Deep Sea Biology	3
BSC 4930	Honors History of Life	3
BSC 4930	Honors Topics in Environ Microbio	3
BSC 4930	Honors Molecular Ecology	3
BSC 6936	Natural History Indian River Lagoon (HBOI)	3
CHM 2210, 2204L	Honors Organic Chemistry I with Lab	4
CHM 2211, 2205L	Honors Organic Chemistry II, and Lab	4
EVR 4420	Honors Marine Conservation	3
EVS 4414	Honors Conservation Biology	3
GIS 3044C	Honors Geographic Information Systems	3
GLY 4054	Honors Evolution of Life on Earth	3
GLY 4105	Honors Evolution of Life on Earth	3
MCB 3020/L	Honors Microbiology and Lab	4
OCB 4032/L	Marine Biodiversity and Lab	4
OCB 4043/L	Marine Biology and Lab	4
OCB 4525/L	Marine Microbiology and Molecular Biology and Lab (HBOI)	6
OCE 2001	Honors Oceanography	3
OCE 4006	Marine Science	3
PCB 3411	Honors Animal Behavior	3
PCB 4673	Honors Evolution	3
PCB 4723/L	Comparative Animal Physiology and Lab	4
ZOO 2303/L	Honors Vertebrate Zoology with Lab or	4
ZOO 3205/L	Invertebrate Zoology and Lab	5
ZOO 4556	Honors Coral Reef Ecology	3