

2016

B.S. in Marine Biology curriculum 2016

Nova Southeastern University

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HALMOS COLLEGE OF NATURAL SCIENCES AND OCEANOGRAPHY
DEGREE CURRICULUM SHEET | 2016 CATALOG
Bachelor of Science - Marine Biology



GENERAL EDUCATION REQUIREMENTS		
Area/Course	Credits	Frequency
Written Composition		
<i>6 credits at or above COMP 1500</i>		
Open Written Communication	3	
Open Written Communication	3	
Mathematics		
<i>6 credits at or above MATH 1040</i>		
Open Math	3	
Open Math	3	
Arts & Humanities		
<i>6 credits in HIST, ARTS, PHIL, HUMN, LITR, THEA, FILM, MUSC, DANC, WRIT, foreign language</i>		
Open Arts & Humanities	3	
Open Arts & Humanities	3	
Social & Behavioral Sciences		
<i>6 credits in PSYC, SOCL, ANTH, ECN, COMM, GEOG, GEST, INST, POLS</i>		
Open Social & Behavioral Sciences	3	
Open Social & Behavioral Sciences	3	
Science		
<i>6 credits in BIOL, MBIO, CHEM, SCIE, ENV5, PHYS</i>		
<i>satisfied by Major</i>	3	
<i>satisfied by Major</i>	3	
Total General Education Credits	30	

MAJOR		
Course	Credits	Frequency
BIOL 1500 Biology I/Lab	4	FW
BIOL 1510 Biology II/Lab	4	FW
BIOL 3200 General Ecology/Lab	4	W
BIOL 3300 Invertebrate Zoology/Lab	4	F
BIOL 3600 Genetics/Lab	4	FW
CHEM 1300 General Chemistry I/Lab	4	FW
CHEM 1310 General Chemistry II/Lab	4	FW
CHEM 2400 Organic Chemistry I/Lab	4	FW
CHEM 2410 Organic Chemistry II/Lab	4	FW
MATH 2020 Applied Statistics	3	FW
MATH 2100 Calculus I	4	FW
MBIO 1050 Introductory Marine Biology Seminar	1	F
MBIO 2410 Marine Biology and Lab	4	F
MBIO 2500 Oceanography/Lab	4	W
PHYS 2350 General Physics I/Lab	4	FW
PHYS 2360 General Physics II/Lab	4	FW
Total Major Credits	60	

MAJOR ELECTIVES		
Course	Credits	Frequency
Group I Science foundation electives <i>Select 13 credits from the following:</i>		
BIOL 3311 Vetebrate Zoology/Lab	4	WO
BIOL 3800 Evolution	3	F
CHEM 3650 Biochemistry/Lab	4	FW
ENV5 2100 Environmental Science Laboratory	3	W
ENV5 3000 Environmental Geology/Lab	4	W
MATH 2200 Calculus II	4	FW
MBIO 3500 Food Web Dynamics	3	WO
MBIO 3600 Plankton Ecology	3	WE
MBIO 3700 Biology of Fishes/Lab	4	FE
MBIO 3750 Coral Reefs and Coral Communities	3	FE
MBIO 3910 Sharks and Their Relatives	3	FO
MBIO 4900 Special Topics in Marine Biology	3	I
SCIE 3210 History of Science	3	FO
SCIE 4490 Research Methods	3	WE
Group II Lab or field-based electives <i>Select 6 credits from the following:</i>		
ENV5 1500 Natural History of South Florida	4	F
ENV5 3170 Everglades Ecology and Conservation	3	F
MBIO 3450 Survey of Marine Mammals	3	WO
ENV5 2000 Biodiversity of Alaskan Ecosystems	3	FO
ENV5 2001 Biodiversity of Alaskan Ecosystems Field Trip	1	SE
MBIO 3800 Island Biogeography	3	WE
MBIO 3801 Island Biogeography Field Course	1	SE
MBIO 4260 Ecology of the Galapagos Islands	3	WO
MBIO 4261 Ecology of the Galapagos Islands Field Trip	1	SO
MBIO 4990 Independent Study in Marine Biology	1-3	W
	19	

OPEN ELECTIVES	
take 5 elective courses	14
Total Open Electives Credits	14

Frequency Key: F-Every Fall; W-Every Winter; FO - Odd Year Fall; FE - Even Year Fall; WO - Odd Year Winter; WE - Even Year Winter

TOTAL CREDITS: 120