

Marine Sciences

A 15 31 0 Associate in Applied Science

(Offered only at the Dare County Campus.)

The Marine Sciences curriculum is designed to prepare individuals for a variety of marine-related occupations such as marine conservation, water analyses, marine scientific support, and commercial fishing. Individuals will also be prepared as naturalists within the growing ecotourism industry.

Coursework includes instruction in general education, marine sciences, and the biological sciences. Extensive field and laboratory experiences will train students in scientific data collection as well as the observation and identification of the region's fauna and flora within a variety of environments including sound, river, estuary, and ocean.

Graduates should be successful as employees with North Carolina Aquariums, North Carolina Division of Marine Fisheries, US Army Corp of Engineers, The Nature Conservancy, Coast Guard, Marine Patrol and as entry-level positions within the commercial fishing industry. Graduates will also function as integral members of the ecotourism trade by providing knowledgeable information to the public regarding marine and estuarine processes and how they relate to the natural flora and fauna associated with Northeastern North Carolina.

General Education Courses

<i>Communications</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
ENG 111 Expository Writing	[ENG 090/RED 090]	F1	3	0	3
ENG 114 Professional Research & Reporting	[ENG 111]	S1	3	0	3
<i>Choose one of the following:</i>					
COM 110 Introduction to Communications	[ENG 090/RED 090]	S2	3	0	3
COM 120 Interpersonal Communications	[ENG 090/RED 090]	S2	3	0	3
COM 231 Public Speaking	[ENG 111]	S2	3	0	3

<i>Natural Science/Mathematics</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
MAT 161 College Algebra	[MAT 080 or MAT 090]	S2	3	0	3

<i>Social/Behavioral Science:</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
(Choose 3 semester credit hours of approved courses from the CAA Course List)	[Varies]	F2	3	0	3

<i>Humanities/Fine Arts:</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
(Choose 3 semester credit hours of approved courses from the CAA course list. Cannot be a COM course or a Foreign Language)	[ENG 090/RED 090]	S2	3	0	3

Major Courses: Core

<i>Core courses</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
BIO 111 General Biology	[ENG 090/RED 090/MAT 070]	F1	3	3	4
BIO 145 Ecology	[BIO 111]	S2	3	3	4
BIO 146 Regional Natural History	[ENG 090/RED 090]	F1	3	3	4
BIO 243 Marine Biology	[BIO 111]	F2	3	3	4
MSC 122 Boat Handling/Seamanship		F1	2	3	3
MSC 150 Marine Navigation		F2	2	3	3
MSC 180 Water Analysis		F2	2	3	3

Other Required Hours

<i>Courses</i>	<i>[prerequisite]</i>	<i>Seq</i>	<i>Class</i>	<i>Lab</i>	<i>Credits</i>
ACA 111 College Student Success		F1	1	0	1
CIS 110 Introduction to Computers	[ENG 090/RED 090/MAT 070]	S1	2	2	3
ELN 114 Marine Electronics	[MAT 070]	S2	1	2	2
GIS 111 Intro to GIS	[CIS 110 OR CIS 111]	S2	2	2	3
MSC 124 Industrial Skills		F1	1	4	3
MSC 132 Fishing Gear Technologies I		F2	2	3	3
MSC 160 Oceanography		S1	4	0	4
MSC 276 Marine Vertebrate Zoology		S1	3	2	4
WLD 112 Basic Welding Processes		F2	1	3	2

Total Semester Hours Required for Associate Degree:

68



College of The Albemarle
 Associate in Applied Science
 Marine Science (A 15 31 0)
 Graduation Check Sheet – 2009-2011 Catalog

Listed below are the requirements for your degree program. It is your responsibility to keep this sheet up-to-date and review it with your advisor to know what you need to graduate. Complete the Graduation Application one semester prior to the intended date of graduation.

Title	Sequence	Credit	Grade	Semester
I. GENERAL EDUCATION COURSES				
Communications				
ENG 111 Expository Writing [P=ENG090/RED090]	F1	3	_____	_____
ENG 114 Professional Research and Reporting[P=ENG111]	S1	3	_____	_____
COM 110 Introduction to Communications [P=ENG090/RED090]				
-or-				
COM 120 Interpersonal Communication [P=ENG090/RED090]	S2	3	_____	_____
-or-				
COM 231 Public Speaking [P=ENG111]				
Natural Science/Mathematics:				
MAT 161 College Algebra [P=MAT080 or 090]	S2	3	_____	_____
Social/Behavioral Science: (Choose 3 semester credit hours of approved courses from the CAA course List)				
_____ [P=Varies]	F2	3	_____	_____
Humanities/Fine Arts: (Choose 3 semester credit hours of approved courses from the CAA course List) Cannot be a COM course or a Foreign Language				
_____ [P=Varies]	S2	3	_____	_____
II. MAJOR COURSES: CORE				
A. CORE				
BIO 111 General Biology I [P=ENG090/RED090/MAT070]	F1	4	_____	_____
BIO 145 Ecology [P=BIO 111]	S2	4	_____	_____
BIO 146 Regional Natural History[P=ENG090/RED090]	F1	4	_____	_____
BIO 243 Marine Biology [P=BIO 111]	F2	4	_____	_____
MSC 122 Boat Handling/Seamanship	F1	3	_____	_____
MSC 150 Marine Navigation	F2	3	_____	_____
MSC 180 Water Analysis	F2	3	_____	_____
C. OTHER MAJOR HOURS				
CIS 110 Introduction to Computers [P=ENG090/RED090/MAT070]	S1	3	_____	_____
ELN 114 Marine Electronics [P=MAT 070]	S2	2	_____	_____
GIS 111 Intro to GIS [P=CIS 110 or CIS 111]	S2	3	_____	_____
MSC 124 Industrial Skills	F1	3	_____	_____
MSC 132 Fishing Gear Technologies I	F2	3	_____	_____

MSC 160 Oceanography	S1	4	_____	_____
MSC 276 Marine Vertebrate Zoology	S1	4	_____	_____
WLD 112 Basic Welding Processes	F2	2	_____	_____
III. OTHER REQUIRED HOURS				
ACA 111 College Student Success	F1	1	_____	_____
Total Semester Hours Required for Degree		68		