



<b>06. Major/Emphasis Requirements (40 hrs)</b>			<b>Credit Hours</b>
01.	BSC 110/BSC 110L	Principles of Biological Science I	3/1
02.	BSC 111/BSC 111L	Principles of Biological Science II	3/1
03.	BSC 201/BSC 201L	General Zoology	2/1
04.	BSC 370	Genetics	4
05.	BSC 380/BSC 380L	General Microbiology	3/1
06.	BSC 445/BSC 445L	Marine Biology (WI)	3/1
07.	Physiology (Select 3 hours)		
	BSC 360	Cellular Physiology	3
	BSC 450	Comparative Animal Physiology	3
	BSC 451	Mammalian Physiology	3
	BSC 452	Environmental Physiology	3
	BSC 453	Invertebrate Physiology	3
08.	SELECT 1 COURSE FROM GROUP I BELOW		
09.	SELECT 1 COURSE FROM GROUP II BELOW		
10.	SELECT ADDITIONAL HOURS SO GROUP I & GROUP II ELECTIVES TOTAL AT LEAST 13 HOURS; OF THESE 13 HOURS, AT LEAST 10 HOURS MUST BE TAKEN AT THE GULF COAST RESEARCH LAB. ***		
Group I:	BSC 407/BSC 407L	Biology of Vertebrates	3/1
	BSC 408/BSC 408L	Invertebrate Zoology I	2/1
	BSC 409/BSC 409L	Invertebrate Zoology II	2/1
	BSC 414/BSC 414L	Ichthyology	2/1
	BSC 415/BSC 415L	Biology of Fishes	2/2
	BSC 421/BSC 421L***	Marine Invertebrate Zoology	3/3
	BSC 424/BSC 424L***	Parasites of Marine Animals	3/3
	BSC 425/BSC 425L***	Marine Phycology	2/2
	BSC 427/BSC 427L	Introductory Phycology	2/1
	BSC 430/BSC 430L	Aquatic and Marsh Plants	2/1
	BSC 437/BSC 437L***	Coastal Vegetation	2/1
	BSC 458/BSC 458L***	Marine Ichthyology	3/3
	BSC 459/BSC 459L***	Marine Mammals	3/2
	BSC 468/BSC 468L***	Comparative Histology of Marine Organisms	3/3
	BSC 476	Molecular Biology	3
	BSC 478L	Molecular Biology Laboratory	4
	BSC 479/BSC 479L***	Applications of Biotechnology in Marine Biology	3/3
	BSC 487/BSC 487L	Microbial Physiology	3/1
Group II:	BSC 382	Microbial Ecology	3
	BSC 416/BSC 416L	Introduction to Fishery Science	2/1
	BSC 436/BSC 436L	Conservation Biology	3/1
	BSC 438/BSC 438L***	Salt Marsh Plant Ecology	2/2
	BSC 439/BSC 439L***	Marine Ecology	3/2
	BSC 440/BSC 440L	Ecology	3/1
	BSC 441/BSC 441L	Population and Community Ecology	2/1
	BSC 446/BSC 446L	Aquaculture	2/1
	BSC 447/BSC 447L***	Marine Aquaculture	3/3
	BSC 448/BSC 448L***	Fauna and Faunistic Ecology of Tidal Marshes	2/3
	BSC 449/BSC 449L***	Marine Fisheries Management	2/2
	BSC 489/BSC 489L	Environmental Microbiology	3/1
	BSC 490/BSC 490L***	Marine Microbiology	3/2
10.	BSC 497	Senior Practicum [Senior Capstone Experience]	1
<b>07. Other Required Courses (28 hrs)</b>			
01.	CHE 106/CHE 106L	General Chemistry I	3/1
02.	CHE 107/CHE 107L	General Chemistry II	3/1
03.	CHE 255/CHE 255L	Organic Chemistry	3/1
04.	CHE 256/CHE 256L	Organic Chemistry	3/2
05.	PHY 111/PHY 111L	General Physics I	3/1
06.	PHY 112/PHY 112L	General Physics II	3/1
07.	Computing Competency (Select 3 hrs)	<b>Credit Hours</b>	<b>Credit Hours</b>
	CSS 240	FORTRAN Programming 3	CSS 211 Statistical Methods I 3
	CSS 330	Introduction to Programming 3	PSY 360 Intro. to Statistics 3
	CSS 333	Problem Solving C, I 3	
<b>08. Minor Area of Study (Optional)</b>			
<b>09. Electives (26 hours)</b>			

**Minimum of 124 Hours in Program**

Minimum of 64 hours required from a four-year college; 45 hours at 300 or 400 level; last 32 hours taken at USM.