

# MARINE BIOLOGY CURRICULUM WORKSHEET 2015-2016 AY

## Bachelor of Science Degree

Natural and Applied Sciences Department

**NAME:** \_\_\_\_\_  
**EMAIL:** \_\_\_\_\_  
**PHONE:** \_\_\_\_\_

**ADVISOR:** \_\_\_\_\_  
**ENTERED:** \_\_\_\_\_  
**ANT. GRADUATION:** \_\_\_\_\_  
**DATE LAST UPDATED:** \_\_\_\_\_

### GENERAL EDUCATION

COURSE NUMBER	COURSE NAME	CR	Sem	Grade
<b>I. CORE REQUIREMENTS (22 CREDITS)</b>				
<b>Essential Skills (9 Credits)</b>				
HEN 112	English I ©	3		
HEN 113	English II ©	3		
HEN 114	Speech	3		
<b>Critical Skills (3 Credits)</b>				
EDU110	Introductory Interpretation & Analysis			
<b>OR</b>				
HPH110	Critical Thinking			
<b>Mathematics (3 credits) ©±</b>				
MAT205	Statistics I ©±	3		
<b>Health &amp; Wellness (2 credits)</b>				
REC 111	Health & Wellness	2		
<b>African-American Experience (3 credits)</b>				
AAS210	A-A Experience in a Global Context	3		
<b>Freshmen Experience (2 credits)</b>				
GAC 101	Freshmen Seminar I	1		
GAC 102	Freshman Seminar II	1		
<b>II. DISTRIBUTION REQUIREMENTS (19 CREDITS; CANNOT BE IN MAJOR)</b>				
<b>Humanities (6 credits ¶)*</b>				
	Humanities Elective I	3		
	Humanities Elective II	3		
<small>*Satisfactory courses include graphic design, literature, language, theater, music, arts, &amp; philosophy.</small>				
<b>Social Sciences (6 credits ¶)***</b>				
	Social Science Elective I	3		
	Social Science Elective II	3		
<small>***Courses include anthropology, economics, geography, history, political science, psychology &amp; sociology.</small>				
<b>Natural Sciences (6 credits or higher)©</b>				
SPH/SPY311	Physics I	4		
SPH/SPY312	Physics II	4		
<small>©Satisfactory courses include biology, chemistry, physics, earth or space science.</small>				
<b>Health &amp; Wellness (1 credit)</b>				
REC	Physical Education	1		
<b>TOTAL CREDITS IN GENERAL EDUCATION</b>		<b>43</b>		

A 2.0 overall cumulative GPA is required for graduation.

COURSE NUMBER	COURSE NAME	Sem	Grade
<b>III. INTENSIVE COURSES</b>			
_____	Writing Course (W)		
_____	Writing Course (W)		
_____	A-A Heritage Course (A)		
_____	Information Literacy Course (I)		
_____	Global Course (G)		

©This course requires completion of the prerequisite with a C or higher.  
 ¶Courses superimposed on this distribution requirement must be included in Required Major Credits; max 42 or 60  
 ±This course may have one or more prerequisites that students must display proficiency in through successful completion of the prerequisite course(s).

### MAJOR COURSES

COURSE NUMBER	COURSE NAME	CR	Sem	Grade
<b>REQUIRED MAJOR COURSES (up to 60 credits)</b>				
SLF110	General Biology I◇	4		
SLF125	General Biology II◇	4		
SLF312	Principles of Genetics◇++	4		
SLF332	Ichthyology◇++	4		
SCH111	General Chemistry I◇	4		
SCH112	General Chemistry II◇	4		
SCH200	Environmental Science◇	3		
SCH311	Organic Chemistry I◇++	4		
SCH312	Organic Chemistry II◇++	4		
SCH340	Biochemistry◇++	3		
MAT160	Calculus I◇	4		
SLF412	Biology Seminar◇++	1		
SES445	Environmental Sci Workshop◇++	1		
<b>Total Required Major Credits</b>		<b>44</b>		
<b>CHOOSE ONE CONCENTRATION BELOW</b>				
<b>OPTION I: MARINE BIOLOGY</b>				
SLF330	Marine Invertebrate Biology◇++	4		
SLF331	Marine Biology◇++	4		
SES320	Principles of Oceanography◇++	3		
S_____	Upper Level Science Elective I◇++	3		
<b>OPTION II: AQUACULTURE</b>				
S_____	Invertebrate Biology (250 or 330)◇	4		
SLF335	Introduction to Aquaculture◇++	4		
S_____	Upper Level Science Elective I◇++	3		
S_____	Upper Level Science Elective II◇++	3		
<b>Total Concentration Option Credits</b>		<b>14</b>		
<b>TOTAL MAJOR CREDITS (up to 60 credits)</b>		<b>58</b>		

<b>FREE ELECTIVES+ (19 or more credits)++</b>				
_____	Upper Level Free Elective 1++	3		
_____	Upper Level Free Elective 2++	3		
_____	Free Elective 1	3		
_____	Free Elective 2	3		
_____	Free Elective 3	3		
_____	Free Elective 4	3		
_____	Free Elective 5 (1, 2, or 3 credit course)	1		
<b>TOTAL FREE ELECTIVE CREDITS</b>		<b>19</b>		
<b>TOTAL CREDITS FOR GRADUATION</b>		<b>120</b>		

COURSE NUMBER	COURSE NAME	CR	Sem	Grade
<b>DEVELOPMENTAL/REMEDIAL COURSES+++:</b>				
ERE 001	Reading Study Skills+++			
HEN 011	Elements of Writing+++			
MAT 001	Basic Math+++			
MAT 002	Elementary Algebra+++			

+PASSHE Policy 1990-06-A holds that elective course selection is encouraged.  
 ++PASSHE Policy 1990-06-A holds that 48 credits of the total 120 must be upper level courses.  
 +++Credits earned for developmental/remedial courses do not count towards the 120 credits required for graduation.  
 ◇Courses listed with a diamond are used to calculate major gpa.