

Bachelor of Science in Marine Biology -

The Marine Biology program places Cheyney University in the unique position to address the needs of current students who wish to combine concentrations and to increase the number of well-prepared minority candidates for employment in various areas of aquatic sciences and aquaculture. Because of its emphasis on various scientific skills and the two areas of emphasis (Aquaculture and Marine Biology), this program also enhances the likelihood of the acceptance of the student into graduate programs in many areas of the aquatic science.

MARINE BIOLOGY CURRICULUM WORKSHEET

Department of Natural and Applied Science

Bachelor of Science Degree

2011-2014 AY

NAME:					ADVISOR:					
EMAIL:					ENTERED:					
PHONE:					ANT. GRADUATION:					
					DATE LAST UPDATED:					
GENERAL EDUCATION					MAJOR COURSES					
COURSE NUMBER	COURSE NAME	CR	Sem	Grade	COURSE NUMBER	COURSE NAME	CR	Sem	Grade	
I. CORE REQUIREMENTS					REQUIRED COURSES (up to 60 credits)					
Essential Skills (15 Credits)					SLF110	General Biology I◊	4			
HEN 112	English I	3			SLF125	General Biology II◊	4			
HEN 113	English II	3			SLF312	Principles of Genetics◊++	4			
HEN 114	Speech	3			SLF332	Ichthyology◊++	4			
EDU110	Intro. Interp. & Analysis	3			SCH111	General Chemistry I◊	4			
HPH110	Critical Thinking	3			SCH112	General Chemistry II◊	4			
Mathematics (3 credits)					SCH200	Environmental Science◊	3			
MAT205	Statistics I	3			SCH311	Organic Chemistry I◊++	4			
African-American Experience (3 credits)					SCH312	Organic Chemistry II◊++	4			
AAS210	A-A Experience in a Global Context	3			SCH340	Biochemistry◊++	3			
Freshmen Experience (2 credits)					MAT160	Calculus I◊	4			
GAC 101	Freshmen Seminar I	1			SLF412	Biology Seminar◊++	1			
GAC 102	Freshman Seminar II	1			SES445	Environmental Sci Workshop◊++	1			
Note: All Core requirements must be complete before a student is considered a Junior.					Total Required Major Credits					
					44					
II. DISTRIBUTION REQUIREMENTS (Can Not Be Major Courses)					CHOOSE ONE CONCENTRATION BELOW					
Humanities (6 credits)*					OPTION I: MARINE BIOLOGY					
	Humanities course I	3			SLF330	Marine Invertebrate Biology◊++	4			
	Humanities course II	3			SLF331	Marine Biology◊++	4			
*Satisfactory courses include literature, language, theater, music, arts, & philosophy.					SES320	Principles of Oceanography◊++	3			
Foreign Language (6 credits)**					S_____	Upper Level Science Elective I◊++	3			
	Foreign Language I	3			OPTION II: AQUACULTURE					
	Foreign Language II	3			S_____	Invertebrate Biology (250 or 330)◊	4			
**Must be in the same language.					SLF335	Introduction to Aquaculture◊++	4			
Social Sciences (6 credits)***					S_____	Upper Level Science Elective I◊++	3			
	Social Science Elective I	3			S_____	Upper Level Science Elective I◊++	3			
	Social Science Elective II	3			Total Concentration Option Credits					
***Courses include anthropology, economics, geography, history, political science, psychology & sociology.					14					
Natural Science (8 credits)®					Total Major Course Requirements (up to 60 cr.)					
SPY/SPH315	Physics I◊++	4			58					
SPY/SPH316	Physics II◊++	4			FREE ELECTIVES					
®Satisfactory courses include biology, chemistry, physics, earth or space science.						Free Elective 1	3			
	Health & Wellness: Service Learning (4 credits)					Free Elective 2	3			
REC 111	Health & Wellness	2				Upper Level Free Elective++	3			

REC	Physical Education	1		
REC/SL	Physical Education/Service learning	1		
TOTAL CREDITS IN GENERAL EDUCATION		53		
III. INTENSIVE COURSES				
			<u>Sem</u>	<u>Grade</u>
	Writing Course (W)			
	Writing Course (W)			
	Writing Course (W)			
	Global Course (G)			
	A-A Heritage course (A)			
	Information Literacy course (I)			
A 2.0 overall cumulative GPA is required for graduation.				

	Total Free Elective Credits	9		
TOTAL CREDITS FOR GRADUATION		120		
NON-CREDIT DEVELOPMENTAL COURSES:				
		CR	Sem	Grade
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 42 credits of the total 120 must be upper level courses.				
§Courses listed with a diamond are used to calculate major gpa.				