

BIOLOGY (MOLECULAR BIOLOGY) CURRICULUM WORKSHEET

Department of Natural and Applied Science

Bachelor of Science Degree

2010-2011 AY

NAME: _____
EMAIL: _____
PHONE: _____

ADVISOR: _____
ENTERED: _____
ANT. GRADUATION: _____
DATE LAST UPDATED: _____

GENERAL EDUCATION				
COURSE NUMBER	COURSE NAME	CR	Sem	Grade

MAJOR COURSES				
COURSE NUMBER	COURSE NAME	CR	Sem	Grade

I. CORE REQUIREMENTS				
Essential Skills (15 Credits)				
HEN 112	English I	3		
HEN 113	English II	3		
HEN 114	Speech	3		
EDU 110	Intro. Interp. & Analysis	3		
HPH 110	Critical Thinking	3		
Mathematics (3 credits)				
MAT 160	Calculus I±	4		
African-American Experience (3 credits)				
AAS 210	A-A Experience in a Global Context	3		
Freshmen Experience (2 credits)				
GAC 101	Freshmen Seminar I	1		
GAC 102	Freshman Seminar II	1		

REQUIRED MAJOR COURSES (41 required credits)				
SLF 110	General Biology I	4		
SLF 125	General Biology II	4		
SLF 312	Principles of Genetics	4		
SLF 422	Molecular Biology	4		
SCH 111	General Chemistry I	4		
SCH 112	General Chemistry II	4		
SCH 211	Organic Chemistry I	4		
SCH 212	Organic Chemistry II	4		
SCH 340	Biochemistry I	3		
SCH 341	Biochemistry II	3		
SCH 342	Biochemistry Laboratory	2		
SLF 412	Biology Seminar	1		
Total Required Major Credits		41		

Note: All Core requirements must be complete before a student is considered a Junior.

MAJOR ELECTIVES* (19 credits)				
SLF 315	Vertebrate Histology	4		
SLF 317	General Cytology	4		
SLF 430	Immunology	4		
S _____	Upper Level Science Elective I	4		
S _____	Upper Level Science Elective II	3		
Total Major Electives Credits		19		
Total Major Credits		60		

II. DISTRIBUTION REQUIREMENTS (Can Not Be Major Courses)				
Humanities (6 credits)*				
	Humanities course I	3		
	Humanities course II	3		

<small>*Satisfactory courses include literature, language, theater, music, arts, & philosophy.</small>				
Foreign Language (6 credits)**				
	Foreign Language I	3		
	Foreign Language II	3		

<small>**Must be in the same language.</small>				
Social Sciences (6 credits)***				
	Social Science Elective I	3		
	Social Science Elective II	3		

<small>***Courses include anthropology, economics, geography, history, political science, psychology & sociology.</small>				
Natural Science (8 credits)®				
SPY 211	Physics I	4		
SPY 212	Physics II	4		

<small>®Satisfactory courses include biology, chemistry, physics, earth or space science.</small>				
Health & Wellness (4 credits)				
REC 111	Health & Wellness	2		
REC	Physical Education	1		

REC	Physical Education	1		
TOTAL CREDITS IN GENERAL EDUCATION		54		

FREE ELECTIVES (6 more credits)				
_____	Free Elective 1+ +	3		
_____	Free Elective 2+ +	3		
Total Elective Requirements		6		

TOTAL CREDITS FOR GRADUATION		120		
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III. INTENSIVE COURSES				
			Sem	Grade
_____	Writing Course (W)			
_____	Writing Course (W)			
_____	Writing Course (W)			
_____	Global Course (G)			
_____	A-A Heritage course (A)			
_____	Information Literacy course (I)			

DEVELOPMENTAL/REMEDIAL COURSES++ +:				
			CR	Sem
ERE 001	Reading & Study Skills			
HEN 011	Elements of Writing			
MAT 001	Basic Math			
MAT 002	Elementary Algebra			

†This course may have one or more prerequisites that students must display proficiency in or satisfy through successful completion of the pre-requisite course(s).

†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.