

B.S. Mathematics (currently not enrolling new students)

<b>MATHEMATICS CURRICULUM WORKSHEET</b> Natural and Applied Sciences Department <b>Bachelor of Science Degree</b> 2010-2011 AY									
<b>NAME:</b>			<b>ADVISOR:</b>						
<b>EMAIL:</b>			<b>ENTERED:</b>						
<b>PHONE:</b>			<b>ANT. GRADUATION:</b>						
			<b>DATE LAST UPDATED:</b>						
<b>GENERAL EDUCATION</b>			<b>MAJOR COURSES</b>						
<b>COURSE NUMBER</b>	<b>COURSE NAME</b>	<b>CR</b>	<b>Sem</b>	<b>Grade</b>	<b>COURSE NUMBER</b>	<b>COURSE NAME</b>	<b>CR</b>	<b>Sem</b>	<b>Grade</b>
<b>I. CORE REQUIREMENTS</b>					<b>REQUIRED MAJOR COURSES (44 credits)</b>				
<u>Essential Skills (15 Credits)</u>					MAT 170 Calculus II 4				
HEN 112	English I	3			MAT 260	Calculus III	4		
HEN 113	English II	3			MAT 202	Discrete Mathematics	3		
HEN 114	Speech	3			MAT 203	Linear Algebra I	3		
EDU110	Intro. Interp. & Analysis	3			MAT 225	Probability & Statistics	3		
HPH110	Critical Thinking	3			MAT 252	Introduction to Abstract Algebra	3		
<u>Mathematics (3 credits)</u>					MAT 255 Mathematical Statistics 3				
MAT 160	Calculus I±	4			MAT 221	Differential Equations	3		
<u>African-American Experience (3 credits)</u>					MAT 335 Elementary Number Theory 3				
AAS210	A-A Experience in a Global Context	3			<b>Total Required Major Credits 29</b>				
<u>Freshmen Experience (2 credits)</u>					<b>ADVANCED MATH ELECTIVES (9 Credits)</b>				
GAC 101	Freshmen Seminar I	1			MAT 303	Linear Algebra II			
GAC 102	Freshman Seminar II	1			MAT 331	Numerical Analysis	3		
Note: All Core requirements must be complete before a student is considered a Junior.					MAT 360	History of Mathematics	3		
<b>II. DISTRIBUTION REQUIREMENTS (Can Not Be Major Courses)</b>					MAT 401	Intro to Real Analysis	3		
<u>Humanities (6 credits)*</u>					MAT 411	Intro. to Complex Variables	3		
Humanities course I 3					MAT 451	Intro. to Topology	3		
Humanities course II 3					MAT 499	Independent study Math	3		
*Satisfactory courses include literature, language, theater, music, arts, & philosophy.					<b>Total Advanced Math Electives Credits 9</b>				
<u>Foreign Language (6 credits)**</u>					<b>REQUIRED RELATED COURSES (6 Credits)</b>				
Foreign Language I 3					CIS 101	Computer Programming I	3		
Foreign Language II 3					CIS 102	Computer Programming II	3		
**Must be in the same language.					<b>Total Required Related Credits 6</b>				
<u>Social Sciences (6 credits)***</u>					<b>Total Major Credits 44</b>				
Social Science Elective I 3					<b>FREE ELECTIVES (24 credits)</b>				
Social Science Elective II 3					Upper-Level Free Elective 1+++ 3				
***Courses include anthropology, economics, geography, history, political science, psychology & sociology.					Upper Level Free Elective 2++ 3				
<u>Natural Science (6 credits)®</u>					Upper Level Free Elective 3++ 3				
S _____	Natural Science Elective I	3			Upper Level Free Elective 4++ 3				
S _____	Natural Science Elective II	3			Free Elective 1 3				
®Satisfactory courses include biology, chemistry, physics, earth or space science.					Free Elective 2 3				
<u>Health &amp; Wellness (4 credits)</u>					Free Elective 3 3				
REC 111	Health & Wellness	2			Free Elective 4 3				
REC _____	Physical Education	1			<b>Total Free Elective Requirements 24</b>				
REC _____	Physical Education	1			<b>TOTAL CREDITS FOR GRADUATION 120</b>				
<b>TOTAL CREDITS IN GENERAL EDUCATION 52</b>					<b>A 2.0 overall cumulative GPA is required for graduation.</b>				
<b>Must maintain a grade of "C" or better in ALL required major courses.</b>					<b>DEVELOPMENTAL/REMEDIAL COURSES+++;</b>				
<b>III. INTENSIVE COURSES</b>					<b>CR Sem Grade</b>				
_____	Writing Course (W)				ERE 001	Reading & Study Skills			
_____	Writing Course (W)				HEN 011	Elements of Writing			
_____	Writing Course (W)				MAT 001	Basic Math			
_____	Global Course (G)				MAT 002	Elementary Algebra			
_____	A-A Heritage course (A)				+PASH Policy 1990-06-A holds that elective course selection is encouraged.				