

**Bachelor of Science in Math: Pure Math emphasis —
Worksheet & Pre-Requisites — 2012-13**

Course #	Course title	Cr	Of'rd	Pre-Requisites
MATH CORE				
MATH 1220	Calculus II	4	F/S	"C" in MATH 1210 <u>or AP Calculus</u>
MATH 2210	Calculus III	4	F/S	"C" in MATH 1220
MATH 2270	Linear Algebra	3	F	MATH 1220
MATH 2280	Differential Equations	3	S	MATH 1220 & MATH 2270
MATH 3120	Transition to Advanced Mathematics	3	S	MATH 1220 & MATH 2270
MATH 3700	Probability & Statistics	4	F	MATH 1220
MATH 4220	Abstract Algebra	3	F	MATH 3120
MATH 4400	Advanced Calculus I	3	F	MATH 2210, MATH 3120 & MATH 2270
MATH 4410	Advanced Calculus II	3	S	MATH 4400
MATH 4580	Complex Analysis	3	S odd	MATH 2210
MATH 4990	Capstone Seminar	3	S	Jr or Sr Standing
CSIS 1400 or 1410	Fund. Of Program or Obj. Oriented Pgrm	3	F/S	"C" in MATH 1010 <u>or ACT of 23/CSIS 1400</u>
CSIS 3550 or any upper div Math except 3140 or 4900		3		
		3		
		3		
		3		
Upp Div ELECTIVES	To Total 40	6		
FREE ELECTIVES	(25 Credits)			
PROGRAM PREREQUISITES				
MATH 1050	College Algebra	4	F/S/M	"C" in MATH 1010 <u>or ACT of 23</u>
MATH 1060	Trigonometry	3	F/S/M	"C" in MATH 1010 <u>or ACT of 23</u>
University Requirement				
UNIV 1010	Introduction to Experiential Education	1		
UNIV 3925	EER Proposal	1		
UNIV 4925	Synthesis and Reflection	1		
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3	F/S	
ENGL 2010	Intermediate Writing	3	F/S	
MATH 1210	Calculus I	4	F/S/M	"C" in MATH 1050/60
LM 1010	Information Literacy	1	F/S	
American Institution		3	F/S	
CSIS 1000	Intro to Computer Applications & Internet	3	F/S/M	
FINE ARTS:		3		
HUMANITIES:		3		
SOCIAL SCI:		3		
LIFE SCIENCE		3		
PHYS SCI: PHYS 2210/15	Physics for Scientists & Engineers I/lab	4	F/S	MATH 1210