Bachelor of Science in Math: Pure Math emphasis
Worksheet & Pre-Requisites

Course #	Course title	Cr	Of'rd	Pre-Requisites
MATH CORE				
MATH 1220	Calculus II	4	F/S	C in MATH 1210 **or** AP Calculus
MATH 2210	Calculus III	4	F/S	C in MATH 1220
MATH 2270	Linear Algebra	3	F/S	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 I	3	F	MATH 3120
MATH 4400	Advanced Calculus I	3	F	MATH 2210, 3120 & 2270
MATH 4580	Complex Analysis	3	S odd	MATH 2210
One of the following				
MATH 4230	Abstract Algebra II	3	S-even	MATH 4220
MATH 4410	Advanced Calculus II		S-odd	MATH 4400
One of the following				
CSIS 1400	Fundamentals of Programming	3	F/S	C in MATH 1050
CSIS 1410	Object Oriented Programming		F/S	CSIS 1400
Math Electives (15 credits)				
CSIS 3550 or any upper div Math except 3140 or 4900		15		
Up Div ELECTIVES	To Total 40	4		
FREE ELECTIVES	To total 120			
PROGRAM PREREQUISITES				
MATH 1050	College Algebra	4	F/S/Su	C in MATH 1010 **or** ACT of 23
MATH 1060	Trigonometry	3	F/S/Su	C in MATH 1010 **or** ACT of 23
University Requirement				
EDGE 1010	Becoming an Engaged Learner	1	F/S/Su	
EDGE 30XX	Project Proposal and Planning	1	F/S/Su	EDGE 1010
EDGE 40XX	Project Reporting and Reflection	1	F/S/Su	EDGE 30XX
GENERAL EDUCATION				
ENGL 1010	Intro to Academic Writing	3	F/S/Su	
ENGL 2010	Intermediate Writing	3	F/S/Su	
MATH 1210	**Calculus I**	4	F/S/Su	C in MATH 1050/60
LM 1010	Information Literacy	1	F/S/Su	
American Institution		3	F/S/Su	
CSIS 1000	Intro to Computer Applications & Internet	3	F/S/Su	
FINE ARTS:		3	F/S/Su	
HUMANITIES:		3	F/S/Su	
SOCIAL SCI:		3	F/S/Su	
LIFE SCIENCE		3	F/S/Su	
PHYS SCI: PHYS 2210/15*	**Physics for Scientists & Engineers I/lab**	4	F/S	MATH 1210
***(Strongly Recommended)**				36 UD in Major including EDGE

% Can take 2270 & 2280 concurrently