

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE										
ALBANY STATE UNIVERSITY										
ALBANY, GA 31705										
B.S. IN MATHEMATICS										
TOTAL SEMESTER HOURS 125										
REQUIRED GPA 2.25										
NAME _____ SS# _____ MAJOR _____ ADVISOR _____					ADDRESS _____ PHONE# _____ DATE ADMITTED _____					
AREA A1: Communication Skills*(6 hrs)				Grd	Hr	AREA D: Natural Science,				
ENGL 1101	English Composition I ®or			3	Math & Technology (11 hrs)				Grd	Hr
HONR 1111	Honors Humanities I (H)			3	OPTION I-Non-science majors (select two)					
ENGL 1102	English Composition II ® or			3	BIOL 1111K	Intro to Biological Science			4	
HONR 1112	Honors Humanities II (H)			3	BIOL 1112K	Intro to Biological Science			4	
*Minimum grade of "C" required in each course						BIOL 1114K	Survey of Biotechnology			3
						BIOL 1115K	Intro to Environmental Biology			3
						CHEM 1151K	Survey of Chemistry I			4
AREA A2: Quantitive Skills (3 hrs)										
	select one as required					CHEM 1152K	Survey of Chemistry II			4
MATH 1101	Mathematical Modeling			3	PHYS 1001K	Physical Science I			4	
MATH 1111	College Algebra			3	PHYS 1002K	Physical Science II			4	
MATH 1113	Pre-Calculus*			3	Electives (select one)					
MATH 1211	Calculus I**			4	CSCI 1003	Intro to Technology			2	
*Required for majors in Mathematics, Computer Science,						SSCI 2402	Microcomputers in Soc. Sciences			3
	Chemistry and Biology					MATH 1201	Survey of Calculus			3
**Required for Pre-Engineering majors						MATH 2411	Basic Statistics			3
						CSCI 1101	Intro to Computers			3
						PHYS 2100	Computer Applications			3
AREA B: INSTITUTIONAL OPTIONS (5 hrs)						MATH 1113	Pre-Calculus			3
COMM 1100	Public Speaking			3	AREA D: Natural Science,					
HIST 1002	Introduction to African Diaspora			2	Math & Technology (11 hrs)				Grd	Hr
						OPTION II-Science majors (select two)				
						CHEM 1211K	General Chemistry I			4
AREA C: Humanities, Fine Arts & Ethics(6 hrs)						CHEM 1212K	General Chemistry II			4
ENGL 2111	World Literature I ® or			3	PHYS 1111K	Introductory Physics I			4	
HONR 2111	Honors Humanities III (Honors students)			3	PHYS 1112K	Introductory Physics II			4	
Electives (Select ONE)						PHYS 2221K	Principles of Physics I			4
ARAP 1100	Art Appreciation			3	PHYS 2222K	Principles of Physics II			4	
ENGL 2112	World Literature II			3	Electives (select one)					
MUSC 1100	Music Appreciation			3	MATH 1113	Pre-Calculus			3	
FREN 2001	Intermediate French			3	MATH 1211	Calculus I			4	
GERM 2001	Intermediate German			3	MATH 2212	Calculus II			4	
SPAN 2001	Intermediate Spanish			3	PHYS 2100	Computer Applications			3	
HONR 2112	Honors Humanities IV(Honors students)			3						
						EXIT EXAM (Departmental Exam)				
						(No Minimum Required Score)				
(Continued on the Reverse Side)										

B.S. IN MATHEMATICS					
AREA E: SOCIAL SCIENCE (12 hours)		Grd	Hr	AREA F:	
POLS 1101	U.S. & Georgia Govt. ® or		3	Courses Related to Majors (17 hours)	
HONR 1161	Honors American Gov(Honors students)		3	MATH 1211	Calculus I
				MATH 2212	Calculus II
ELECTIVES	Select at least one HISTORY course and any two other courses			CSCI 1201	Introduction to Computer Science
				MATH 2411	Basic Statistics
ECON 2105	Macroeconomics		3	MATH 2111	Linear Algebra
ECON 2106	Microeconomics		3		
ECON 2201	Survey of Economics		3		
GEOG 1101	Intro to Human Geography		3	AREA G:	
HIST 1111	Survey of World History I		3	Major Courses and General Electives (60 hrs)	
HIST 1112	Survey of World History II		3	MAJOR REQUIRED COURSES (46 hours)	
HIST 2111	Survey of American History I		3	MATH 2213	Calculus III
HIST 2112	Survey of American History II		3	MATH 3101	Introduction to Number Theory
HIST 2113	Minorities in America		3	MATH 3112	Discrete Mathematics
HONR 1151	Honors World History I		3	MATH 3211	Ordinary Differential Equations
HONR 1152	Honors World History II		3	MATH 3213	Modern Geometry
PHIL 2101	Intro to Philosophy		3	MATH 3314	Math Statistics
POLS 2101	Intro to Political Science		3	MATH 3411	Statistical Methods
POLS 2102	Intro to Law		3	MATH 3423	Operations Research
PSYC 1101	General Psychology		3	MATH 4111	Modern Algebra I
SOCI 2011	Principles of Sociology		3	MATH 4112	Modern Algebra II
SOCI 2031	Introduction to Anthropology		3	MATH 4211	Elements of Analysis I
				MATH 4212	Elements of Analysis II
				MATH 4215	Numerical Analysis
				MATH 4214	Introduction to Complex Variables
ABOVE THE CORE: (5 hours)				MATH 4921	Senior Project I
ASU 1201	Foundations of College Success		2	MATH 4922	Senior Project II
SELECT THREE					
HEDP 1001	Introduction to Wellness		1		
PEDH 1001	Team Sports		1	MAJOR ELECTIVES (12 hours)	
PEDH 1002	Fitness		1	SELECT TWELVE HOURS FROM THE FOLLOWING	
PEDH 1003	Recreational Skills I		1	MATH 3413	Introduction to Combinatorics
PEDH 1004	Recreational Skills II		1	MATH 4511	History of Mathematics
PEDH 1005	Lifetime Skills I		1	MATH 4313	Introduction to Topology
PEDH 1006	Lifetime Skills II		1	MATH 4220	Partial Differential Equations
PEDH 1007	Aquatics		1	MATH 4330	Math of Compound Interest
				MATH 4332	Math of Demography
				MATH 4336	Introduction to Design of Experiments
				MATH 4342	Classical Mechanics
				MATH 4338	Non-Parametric Statistics
I = Institutional Credit					
H = Honors Students Only					
S = FIAR or HIST 1002					
® R = Required					
CPC REQUIREMENTS				GENERAL ELECTIVES (2 hours)	
SATISFIED	_____ Yes _____ No				
					23-Aug-12