ALBANY STATE UNIVERSITY

ALBANY, GA 31705

B.S. IN COMPUTER SCIENCE (MATH EMPHASIS)

TOTAL SEMESTER HOURS 125 **REQUIRED GPA 2.25**

NAME _____ **SS#** _____ **MAJOR** _____ **ADVISOR** _____

ADDRESS _____ **PHONE#** _____ **DATE ADMITTED** _____

AREA A1: Communication Skills*(6 hrs)		**Grd**	**Hr**
ENGL 1101	English Composition I ®or		**3**
HONR 1111	Honors Humanities I (H)		**3**
ENGL 1102	English Composition II ® or		**3**
HONR 1112	Honors Humanities II (H)		**3**
*Minimum grade of "C" required in each course			
AREA A2: Quantitive Skills (3 hrs)			
	select one as required		
MATH 1101	Mathematical Modeling		**3**
MATH 1111	College Algebra		**3**
MATH 1113	Pre-Calculus*		**3**
MATH 1211	Calculus I**		**4**
*Required for majors in Mathematics, Computer Science,			
	Chemistry and Biology		
**Required for Pre-Engineering majors			
AREA B: INSTITUTIONAL OPTIONS (5 hrs)			
COMM 1100	Public Speaking		**3**
HIST 1002	Introduction to African Diaspora		**2**
AREA C: Humanities, Fine Arts & Ethics(6 hrs)			
ENGL 2111	World Literature I ® or		**3**
HONR 2111	Honors Humanities III (Honors students)		**3**
Electives (Select ONE)			
ARAP 1100	Art Appreciation		**3**
ENGL 2112	World Literature II		**3**
MUSC 1100	Music Appreciation		**3**
FREN 2001	Intermediate French		**3**
GERM 2001	Intermediate German		**3**
SPAN 2001	Intermediate Spanish		**3**
HONR 2112	Honors Humanities IV(Honors students)		**3**
	(Continued on the Reverse Side)		

AREA D: Natural Science,			
Math & Technology (10-11 hrs)		**Grd**	**Hr**
OPTION I-Non-science majors (select two)			
BIOL 1111K	Intro to Biological Science		**4**
BIOL 1112K	Intro to Biological Science		**4**
BIOL 1114K	Survey of Biotechnology		**3**
BIOL 1115K	Intro to Environmental Biology		**3**
CHEM 1151K	Suvey of Chemistry I		**4**
CHEM 1152K	Survey of Chemistry II		**4**
PHYS 1001K	Physical Science I		**4**
PHYS 1002K	Physical Science II		**4**
PHYS 1020	Survey of Modern Science & Tech		**3**
Electives (select one)			
CSCI 1003	Intro to Technology		**2**
SSCI 2402	Microcomputers in Soc. Sciences		**3**
MATH 1201	Survey of Calculus		**3**
MATH 2411	Basic Statistics		**3**
CSCI 1101	Intro to Computers		**3**
PHYS 2100	Computer Applications		**3**
MATH 1113	Pre-Calculus		**3**
AREA D: Natural Science,			
Math & Technology (11 hrs)		**Grd**	**Hr**
OPTION II-Science majors (select two)			
CHEM 1211K	General Chemistry I		**4**
CHEM 1212K	General Chemistry II		**4**
PHYS 1111K	Introductory Physics I		**4**
PHYS 1112K	Introductory Physics II		**4**
PHYS 2221K	Principles of Physics I		**4**
PHYS 2222K	Principles of Physics II		**4**
Electives (select one)			
MATH 1113	Pre-Calculus		**3**
MATH 1211	Calculus I		**4**
MATH 2212	Calculus II		**4**
PHYS 2100	Computer Applications		**3**
EXIT EXAM	**(Departmental Exam)**		
(No Minimum Required Score)			

B.S. IN COMPUTER SCIENCE (MATH EMPHASIS)

AREA E: SOCIAL SCIENCE (12 hours)		**Grd**	**Hr**	**AREA F: COURSES RELATED TO MAJOR**			
POLS 1101	U.S. & Georgia Govt. ® or		**3**		**Courses (17 hrs)**	**Grd**	**Hr**
HONR 1161	Honors American Gov(Honors students)		**3**	CSCI 1201	Introduction to Computer Science		**3**
				CSCI 1301	Computer Science I		**4**
ELECTIVES	**Select at least one HISTORY**			CSCI 1302	Computer Science II		**4**
	course and any two other courses			MATH 2111	Linear Algebra		**3**
ECON 2105	Macroeconomics		**3**	MATH 2411	Basic Statistics		**3**
ECON 2106	Microeconomics		**3**				
ECON 2201	Survey of Economics		**3**	**AREA G:**	**60 HOURS**		
GEOG 1101	Intro to Human Geography		**3**	**(Major Courses & General Electives)**			
HIST 1111	Survey of World History I		**3**	**COMPUTER SCIENCE COURSES 33 hours**			
HIST 1112	Survey of World History II		**3**	CSCI 3111	Discrete Structures or Math 3112		**3**
HIST 2111	Survey of American History I		**3**	CSCI 3122	Data Structures		**3**
HIST 2112	Survey of American History II		**3**	CSCI 4113	Operating Systems		**3**
HIST 2113	Minorities in America		**3**	CSCI 4123	Computer Networks		**3**
HONR 1151	Honors World History I		**3**	CSCI 3211	Computer Org. & Architecture I		**3**
HONR 1152	Honors World History II		**3**	CSCI 3212	Computer Org. & Architecture II		**3**
PHIL 2101	Intro to Philosophy		**3**	CSCI 4151	Systems Simulation		**3**
POLS 2101	Intro to Political Science		**3**	CSCI 4211	Systems Analysis I		**3**
POLS 2102	Intro to Law		**3**	CSCI 4311	Computer Graphics		**3**
PSYC 1101	General Psychology		**3**	CSCI 4221	Software Engineering		**3**
SOCI 2011	Principles of Sociology		**3**	CSCI 4921	Senior Project I		**1**
SOCI 2031	Introduction to Anthropology		**3**	CSCI 4922	Senior Project II		**2**
ABOVE THE CORE: (5 hours)				**MATHEMATICS COURSES 21 hours**			
ASU 1201	Foundations of College Success		**2**	MATH 1211	Calculus I		**4**
SELECT THREE			**1**	MATH 2212	Calculus II		**4**
HEDP 1001	Introduction to Wellness		**1**	MATH 2213	Calculus III		**4**
PEDH 1001	Team Sports		**1**	MATH 3211	Ordinary Differentials Equations		**3**
PEDH 1002	Fitness		**1**	MATH 3423	Intro to Operations Research		**3**
PEDH 1003	Recreational Skills I		**1**	MATH 4215	Numerical Analysis		**3**
PEDH 1004	Recreational Skills II		**1**				
PEDH 1005	Lifetime Skills I		**1**		**MAJOR ELECTIVES 6 hours**		
PEDH 1006	Lifetime Skills II		**1**	CSCI 2211	Visual Basic Programming		**3**
PEDH 1007	Aquatics		**1**	CSCI 2300	Computational Informatics I		**3**
				CSCI 2311	Advanced Visual Basic Programming		**3**
I = Institutional Credit				CSC 3132	Database Management		**3**
H = Honors Students Only				CSCI 3200	Design & Analysis of Algorithms		**3**
S = FIAR or HIST 1002				CSCI 3300	High Performance Computing		**3**
® R = Required				CSCI 4915	Web Design & Development		**3**
				CSCI 4911	Special Topics in Computer Science		**3**
CPC REQUIREMENTS							
SATISFIED	_____ Yes _____ No						
					30-Aug-11		