

| DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE | | | | | | |
|---|---|------------|--------------|---|---------------------------------|---------------|
| ALBANY STATE UNIVERSITY | | | | | | |
| ALBANY, GA 31705 | | | | | | |
| B.S. IN COMPUTER SCIENCE (BUSINESS 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 | AREA D: Natural Science, | | |
| ENGL 1101 | English Composition I ®or | | 3 | Math & Technology (10-11 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 | Suvey of Chemistry I | 4 |
| AREA A2: Quantitive Skills (3 hrs) | | | | CHEM 1152K | Survey of Chemistry II | 4 |
| | select one as required | | | PHYS 1001K | Physical Science I | 4 |
| MATH 1101 | Mathematical Modeling | | 3 | PHYS 1002K | Physical Science II | 4 |
| MATH 1111 | College Algebra | | 3 | PHYS 1020 | Survey of Modern Science & Tech | 3 |
| 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, Chemistry and Biology | | | | SSCI 2402 | Microcomputers in Soc. Sciences | 3 |
| | | | | 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 COMPUTER SCIENCE (BUSINESS 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 | ACCT 2101 | Acct Principle I | | 3 |
| | | | | CSCI 1201 | Introduction to Computer Science | | 3 |
| ELECTIVES | Select at least one HISTORY | | | CSCI 1301 | Computer Science I | | 4 |
| | course and any two other courses | | | CSCI 1302 | Computer Science II | | 4 |
| 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 (30 hours) | | | |
| HIST 1112 | Survey of World History II | | 3 | CSCI 2211 | Visual Basic Programming | | 3 |
| HIST 2111 | Survey of American History I | | 3 | CSCI 3111 | Discrete Structures or Math 3112 | | 3 |
| HIST 2112 | Survey of American History II | | 3 | CSCI 3122 | Data Structures | | 3 |
| HIST 2113 | Minorities in America | | 3 | CSCI 3132 | Database Management | | 3 |
| HONR 1151 | Honors World History I | | 3 | CSCI 4211 | Systems Analysis I | | 3 |
| HONR 1152 | Honors World History II | | 3 | CSCI 4212 | Systems Analysis II | | 3 |
| PHIL 2101 | Intro to Philosophy | | 3 | CSCI 4113 | Operating Systems | | 3 |
| POLS 2101 | Intro to Political Science | | 3 | CSCI 4123 | Computer Networks | | 3 |
| POLS 2102 | Intro to Law | | 3 | CSCI 4311 | Computer Graphics | | 3 |
| PSYC 1101 | General Psychology | | 3 | CSCI 4921 | Senior Project I | | 1 |
| SOCI 2011 | Principles of Sociology | | 3 | CSCI 4922 | Senior Project II | | 2 |
| SOCI 2031 | Introduction to Anthropology | | 3 | | | | |
| | | | | MATHEMATICS COURSES (10 hours) | | | |
| | | | | MATH 1211 | Calculus I | | 4 |
| ABOVE THE CORE: (5 hours) | | | | MATH 2111 | Linear Algebra | | 3 |
| ASU 1201 | Foundations of College Success | | 2 | MATH 3423 | Operations Research | | 3 |
| SELECT THREE | | | | | | | |
| HEDP 1001 | Introduction to Wellness | | 1 | MGMT/ECONOMICS COURSES (12 hours) | | | |
| PEDH 1001 | Team Sports | | 1 | ECON 2106 | Principles of Microeconomics | | 3 |
| PEDH 1002 | Fitness | | 1 | ACCT 2102 | Acct Principle II | | 3 |
| PEDH 1003 | Recreational Skills I | | 1 | MGMT 3105 | Legal Environment of Business | | 3 |
| PEDH 1004 | Recreational Skills II | | 1 | MKTG 3120 | Principles of Marketing | | 3 |
| PEDH 1005 | Lifetime Skills I | | 1 | | | | |
| PEDH 1006 | Lifetime Skills II | | 1 | MAJOR ELECTIVES (6 hours) | | | |
| PEDH 1007 | Aquatics | | 1 | 3 Hours in Upper Division | | | |
| | | | | CSCI 2300 | Computational Informatics I | | 3 |
| I = Institutional Credit | | | | CSCI 2311 | Advanced Visual Basic Programming | | 3 |
| H = Honors Students Only | | | | CSCI 3211 | Computer Org, & Architecture I | | 3 |
| S = FIAR or HIST 1002 | | | | CSCI 3200 | Design & Analysis of Algorithms | | 3 |
| ® R = Required | | | | CSCI 3300 | High Performance Computing | | 3 |
| CPC REQUIREMENTS | | | | CSCI 4221 | Software Engineering | | 3 |
| SATISFIED | _____ Yes _____ No | | | CSCI 4915 | Web Design & Development | | 3 |
| | | | | CSCI 4911 | Special Topics in Computer Science | | 3 |
| | | | | GENERAL ELECTIVES | | | |
| | | | | 2 HOURS | | | |
| | | | | 30-Aug-11 | | | |