

B.S. COMPUTER SCIENCE

Student: _____

GCID#: _____

AREA F: COLLEGE OF BUSINESS Core (at least 18 hours)	Cognate Area A: Science (at least 8 hours)
<p>All of the following:</p> <p>CSCI 1301, Computer Science I _____</p> <p>CSCI 1302, Computer Science II. Preq. CSCI 1301 _____</p> <p>CSCI 2350, Programing II, Preq. CSCI 1302 _____</p> <p>CSCI 2800 Social & Professional Issues, Preq. CSCI 1302 _____</p> <p>CSCI 3680, Discrete Structures Preq MATH 1113 (or higher). CSCI 1302 _____</p> <p>All of the following if not taken in Areas A and D:</p> <p>MATH 1261, Calculus I, Preq. "C" or better in Math 1113 _____</p> <p>MATH 1262, Calculus II, Preq. "C" or better in Math 1261 _____</p> <p>Additional Mathematics: complete one of the following:</p> <p>MATH 2150 Linear Algebra, MATH 2263 Calculus III, _____</p> <p>MATH 3030 Foundations of Mathemataics, MATH 4600 Probability _____</p>	<p>If Not Taken in Area "D"</p> <p>Complete 2 of the following:</p> <p>BIOL 1107 and Lab, Principles of Biology _____</p> <p>CHEM 1211 and Lab, Principles of Chem. I _____</p> <p>CHEM 1212 and Lab, Principles of Chem. II, Preq. 1211 _____</p> <p>PHYS 2211 and Lab, Princ. Of Physics I, Preq. MATH 1261 _____</p> <p>PHYS 2212 and Lab, Princ. Of Physics II, Preq. MATH 1262 _____</p> <p>ENSC 1000 and Lab, Intro. To Environmental Science _____</p>
MAJOR REQUIREMENTS (30 hours)	Cognate Area B: Mathematics (3 - 11 hours)
<p>CSCI 3410, Introduction to Data Structures, Preq. CSCI 1302 _____</p> <p>CSCI 3211, Assem. Lang/Digital Logic Design, Preq. CSCI 1302, CoReq 2350 _____</p> <p>CSCI 3212, Comp. Organ. & Architecture, Preq. CSCI 3211 _____</p> <p>CSCI 3341, Operating Systems, Preq. CSCI 2350 & 3410 , CoReq:3212 _____</p> <p>CSCI 3342, Systems & Networks Programming, Preq CSCI 2241 and 2350 _____</p> <p>CSCI 3343, Computer Systems Security, Preq CSCI 3341, CSCI 3342 _____</p> <p>CSCI 4330, Programming Language Design & Survey, Preq. CSCI 3410 _____</p> <p>CSCI 4320, Software Engineering, Preq. CSCI 3410 & senior status _____</p> <p>CSCI 4520, Analysis of Algorithms, Preq. CSCI 3680 & CSCI 3410 _____</p> <p>CSCI 4710, Databases, Preq. CSCI 3680 & CSCI 3410 _____</p>	<p>All of the following if not taken in Area F</p> <p>MATH 1261, Calculus I, Preq. "C" or better in Math 111 _____</p> <p>MATH 1262, Calculus II, Preq. "C" or better in Math 1261 _____</p> <p>Additional Mathematics: complete ONE of the following:</p> <p>MATH 2150 Linear Algebra, Preq. "C" or better in Math 1261 _____</p> <p>MATH 2263 Calculus III, Preq. "C" or better in Math 1262 _____</p> <p>MATH 3030 Foundations of Mathemataics, Preq. "C" or better in Math 1262 _____</p> <p>MATH 4600 Probability, Preq. "C" or better in Math 1262 _____</p>
CONCENTRATION OPTIONS	
<p>* INTERNETWORKS or HUMAN & COMPUTER INTERFACE DESIGN Available to Computer Science majors in the fall or their Senior year. Inese concentrations are satisfied by taking 12 semester hours at Georgia Tech, approved by the advisor and department chair. Courses are listed in the Information Thread or the People Thread in the Georgia Tech catalog at the time the courses are completed.</p>	
<p style="text-align: center;">Senior Capstone Experience Hours (3 hours)</p> <p>Completion of ONE of the following:</p> <p>CSCI 4950, Advanced Special Topics (3 Hrs) _____</p> <p>CSCI 4690, Internship (3 Hrs) _____</p> <p>CSCI 4999, Undergrad Research in Computer Science _____</p>	<p>* INFORMATION TECHNOLOGY</p> <p>CSCI 3341, Operating Systems, Preq. CSCI 2350 & 3410 , CoReq:3212 _____</p> <p>CSCI 3350 Linux Programming, Preq. CSCI 2350, instructor's permission _____</p> <p style="padding-left: 20px;">Choose ONE from the following certifications:</p> <ul style="list-style-type: none"> - CBIS 3211 Information Technology Hardware & Software. - CBIS 4217 Computer Security - CBIS 4218 Advance Networking, - CBIS 4225 Server Administration
Computer Science 3000 - 4000 Level Electives (6 hours)	
<p>1. _____</p> <p>2. _____</p>	<p>* DATA SCIENCE</p> <p>CSCI 4710 Databases _____</p> <p style="padding-left: 20px;">Completion of TWO of the following</p> <ul style="list-style-type: none"> - CSCI 3710 Data Mining/ Machine Learning (Preq CSCI 2350 or CSCI 3410) - CSCI 3711 Data Analysis (Preq. 3410), - CSCI 4820 Artificial Intelligence (Preq. CSCI 3410 and CSCI 3680)
Other Requirements	
<p>-BIDS 1705 or other First Year Academic Seminar _____ (does not count in the 120 hrs required for graduation)</p> <p>Earn a score of 130 or higher on Senior Exit Exam-</p> <ul style="list-style-type: none"> • A total of (39) 3000 - 4000 upper level coursework is required • A grade of C or better is required in all CSCI courses. 	

* Total semester hours required for graduation 120 hours

* 2.0 Institutional GPA required for graduation

*** Application for Graduation (should be filed 3rd semester before graduation)**