Student ID: _____

Name: _____

Checklist for the Computer Science Major Curriculum 2005

(This checklist should be used for reference ONLY)

Course	BA	BS	MIN
Computer Science – Level 1			
CS 111. *Intro to Algo Prob Solv*			
CS 211. *OOP in C++*			
CS 212. *OOP in Java*			
CS 220. *Discrete Structures*			
CS 240. *Comp Org & Assem Lang*			
Computer Science – Level 2			
CS 313. *Data Structures*			
CS 316. *Princ of PLs*			
CS 320. *Theory of Computation*			
CS 323. *Design & Analysis of Algo*			
CS 331. *Database Systems*			
CS 340. *Operating Systems*			
CS 343. *Computer Architecture*			
CS 370. *Software Engineering*			
Electives **	***9 cr***	***15 cr***	
Mathematics			
MATH 120‡‡. *Discrete Math*			
MATH 151. *Calculus I*			
MATH 152. *Calculus II*			
MATH 231 or 237. *Linear Algebra*			
MATH 241‡, 611 or 621. *Prob/Stat*			
Lab Science Sequence			
PHYS 145, 146, 204 *or* PHYS 103, 204, and either 225 or 227 *or* PHYS 103, 204, BIOL 1050, 1060 *or* PHYS 103, 204, CHEM 113,114			
Lab Science Sequence			
BIOL 1050, 1060 *or* CHEM 113, 114 *or* PHYS 103, 204 *or* PHYS 145, 146			

Notes:

- All CS courses must be completed with a grade of C or better.
- All non-CS courses must be completed with a grade of C- or better.
- No courses required for the major or minor may be taken P/NC. This is a College policy.
- No course may be taken until all prerequisite courses are completed with a minimum passing grade.
- 50% of the courses required for the major or minor must be completed at Queens College.
- 50% of the computer science courses must be completed at Queens Colleges.
- Courses may be taken on permit only at senior (four-year) colleges.

** Electives chosen from Computer Science courses numbered 300-396 totaling 9 credits for the BA and 15 credits for the BS.

One course from the following list may be used for **one elective** for the major unless it has been applied towards the fulfillment of the math or science requirements:
Biology 330;
Mathematics 202, 223, 224, 232, 242, 245, 247, 248, 317, 333, 337, 609, 613, 619, 621, 623, 624, 625, 626, 633, 634, 635, 636;
Physics 225, 227, 265, or 311.

Transfer blanket credit courses (499) may **not** be used as electives.

‡ Economics 249 is acceptable **only** for students who complete a major or minor in economics.

‡‡ Mathematics 220 is acceptable **only** for student who complete a major or minor in mathematics.