COMPUTER SCIENCE (CS TRACK) 2011/13 DEGREE REQUIREMENT CHECKLIST

Lower Division (26-30)
____ CMPS 150 (1) (or CMPS 215)
____ CMPS 221 Programming Fundamentals
____ CMPS 222 Object-Oriented Programming
____ CMPS 223 Data Structures and Algorithms
____ CMPS 224 Assembly Language Programming
____ CMPS 295 Discrete Structures

Upper Division required (50)
____ CMPS 312 Algorithm Analysis and Design
____ CENG 320 Digital Circuits
____ CMPS 321 Computer Architecture
____ CMPS 335 Software Engineering
____ CMPS 342 Database Systems
____ CMPS 350 Programming Languages
____ CMPS 356 Artificial Intelligence
____ CMPS 360 Operating Systems
____ CMPS 376 Computer Networks
____ CMPS 490 Senior Project in Computer Science

Upper Division Elective (select 1 400-level course or CMPS 371) (5)
____

Cognate Requirements (37)
____ MATH 201 Calculus I (also satisfies B4)
____ MATH 202 Calculus II
____ MATH 203 Calculus III
____ MATH 330 Linear Algebra
____ MATH 340 Probability
____ PHYS 221 Classical Physics I - Mechanics (6 – also satisfies B1, B3)
____ PHYS 222 Classical Physics II - Thermodynamics and E&M (6)

Lower Division General Education (55)
____ A1 - COMM 108
____ A2 - ENGL 110
____ A3
____ B2 - BIOL 100
____ C1, _____ C2, _____ C3
____ US History Requirement
____ D1
____ D2 ECON 202 (Macroeconomics)
____ D3 PLSI 101 (also satisfies State Government Requirement)

Upper Division General Education (15)
(Theme I - waived for CMPS and CENG majors)
____ Theme II - PHIL 316 (Ethics)
____ Theme III
____ Gender, Race, or Ethnicity (GRE)