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

Lower Division (26-30)
   _____ CMPS 150 (1) (or CMPS 215, which can also be used as an elective below)
   _____ CMPS 211 Internet Programming and Web Design
   _____ CMPS 221 Programming Fundamentals
   _____ CMPS 222 Object-Oriented Programming
   _____ CMPS 223 Data Structures and Algorithms
   _____ CMPS 295 Discrete Structures

Upper Division required (50)
   _____ CMPS 312 Algorithm Analysis and Design
   _____ CMPS 335 Software Engineering
   _____ CMPS 342 Database Systems
   _____ CMPS 350 Programming Languages
   _____ CMPS 356 Artificial Intelligence
   _____ CMPS 360 Operating Systems
   _____ CMPS 371 Computer Graphics
   _____ CMPS 376 Computer Networks
   _____ CMPS 394 Java: Client, Server, and Internet Programming
   _____ CMPS 490 Senior Project in Computer Science

Advanced Elective (select 1 course from: CMPS 435, 442, or 456) (5)

Other Electives (select 20 units of approved courses) (20)

Cognate Requirements (10)
   _____ MATH 140 Elementary Statistics or MATH 192 or a higher-level (e.g. MATH 20x) math course
      (satisfies B4)
   _____ MATH 190/191 Pre-Calculus I

Lower Division General Education (60)
   _____ A1 - COMM 108
   _____ A2 - ENGL 110
   _____ A3
   _____ B1,B3
   _____ 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)