Lower Division (26)
   ______ CMPS 150 (1) and 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 (52)
   ______ CMPS 312 Algorithm Analysis and Design
   ______ CMPS/ECE 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 490A Senior Project I (3) and CMPS 490B Senior Project II (4)

Upper Division Elective (select 2 400-level course or CMPS 371) (10)
   ______

Additional Units (select 3 units of general university courses) (3)
   ______

Cognate Requirements (37)
   ______ MATH 201/231 Calculus I (also satisfies B4)
   ______ MATH 202/232 Calculus II
   ______ MATH 230/330 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 (42)
   ______ CSUB 101 (2)
   ______ A1 - COMM 108
   ______ A2 - ENGL 110
   ______ A3
      B2 - waived by NSME B-Comm (04-19-2013)
   ______ C1, ______ C2
      C3 - doublecounted by US History - CARS (03-21-2013)
   ______ US History Requirement
   ______ Area D - 5 units waived by CARS (03-21-2013)
   ______ D2 ECON 201 or ECON 202
   ______ D3 PLSI 101 (also satisfies State Government Requirement)

Upper Division General Education (10)
   ______ Theme I - substituted by CMPS 490A&B - Senior Project I&II above
   ______ Theme II - PHIL 316 (Ethics)
   ______ Theme III - waived by CARS (03-21-2013)
   ______ Gender, Race, and Ethnicity (GRE)
   ______ COMM 304 Recommended or pass GWAR exam (0)