Lower Division (21)
   _____ CMPS 150 (1) and CMPS 221 Programming Fundamentals
   _____ CMPS 223 Data Structures and Algorithms
   _____ CMPS 224 Assembly Language Programming
   _____ CMPS 295 Discrete Structures

Upper Division required (40)
   _____ CENG 304 Linear Systems
   _____ CENG 307 Analog Circuits
   _____ CENG 320 Digital Circuits
   _____ CMPS 321 Computer Architecture
   _____ CENG 322 Digital Design with VHDL
   _____ CMPS 360 Operating Systems
   _____ CENG 420 Embedded Systems
   _____ CENG 490 Senior Project in Computer Engineering

Upper Division CENG Electives (two courses: select 1 course from each of two different areas below) (10)
   _____ CENG 422 Digital Signal Processing or CENG 423 Digital Communications
   _____ CENG 457 Robotics or CENG 432 Instrumentation, Control and Data Acquisition
   _____ CENG 446 Image Processing or CENG 447 Computer Vision

Cognate Requirements (43)
   _____ MATH 201 Calculus I (also satisfies B4)
   _____ MATH 202 Calculus II
   _____ MATH 203 Calculus III
   _____ MATH 204 Calculus IV
   _____ PHYS 221 Classical Physics I - Mechanics (6 – also satisfies B1, B3)
   _____ PHYS 222 Classical Physics II - Thermodynamics and E&M (6)
   _____ PHYS 223 Optics and Modern Physics (6)
   _____ PHYS/ENGR 207 Electric Circuits

Lower Division General Education (50)
   _____ A1 - COMM 108
   _____ A2 - ENGL 110
   _____ A3 - waived at the time the CENG major takes CMPS 295
   _____ 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 and University Electives (16)
(Theme I - waived for CMPS and CENG majors)
   _____ Theme II - PHIL 316 (Ethics)
   _____ Theme III
   _____ Gender, Race, or Ethnicity (GRE)
   _____ University Elective (1)