Lower Division Core (24)
  _____ ECE 160 – Introduction to Engineering (3)
  _____ CMPS 150 – Introduction to Unix (1)
  _____ CMPS 221 – Programming Fundamentals (grade of C- or better)
  _____ CMPS 223 – Data Structures and Algorithms (grade of C- or better)
  _____ CMPS 224 – Assembly Language Programming
  _____ CMPS 295 – Discrete Structures
Upper Division Core (41)
  _____ ECE 304 – Signals and Systems I
  _____ ECE 307 – Analog Circuits
  _____ ECE 320 – Digital Circuits
  _____ CMPS 321 – Computer Architecture
  _____ ECE 322 – Digital Design with VHDL
  _____ CMPS 360 – Operating Systems
  _____ ECE 420 – Embedded Systems
  _____ ECE 490A – Senior Project I (3)
  _____ ECE 490B – Senior Project II (3)
Upper Division Electives (select 1 course from each area below) (15)
  _____ Signal Processing/Communication: ECE 422 or ECE 423 or ECE 425 or ECE 426
  _____ Robotics/Embedded Systems/Control: ECE 457 or ECE 432
  _____ Computer Vision/Image Processing: ECE 446 or ECE 447
Cognate Requirements (58)
  _____ MATH 201 or 231 – Calculus I (grade of C- or better)
  _____ MATH 202 or 232 – Calculus II (grade of C- or better)
  _____ MATH 203 or 233 – Calculus III (grade of C- or better)
  _____ MATH 204 or 234 – Calculus IV
  _____ MATH 230 or 330 – Linear Algebra
  _____ MATH 340 – Probability Theory
  _____ PHYS 221 – Classical Physics I - Mechanics (6)
  _____ PHYS 222 – Classical Physics II - Thermodynamics and E&M (6)
  _____ PHYS 223 – Optics and Modern Physics (6)
  _____ PHYS/ENGR 207 – Electric Circuits
  _____ PHIL 316 – Professional Ethics
Additional Units (any university units) (0-1)

General Education and University Requirements (40-47)
  _____ Foreign Language Requirement – 2 yrs. high school or 1 college course
  _____ CSUB 101 (2)
  _____ A1 – Recommend COMM 108 (grade of C or better)
  _____ A2 – ENGL 110 (grade of C or better)
  _____ A3 – Waived for Computer Engineering majors
  _____ B1/B3 – Satisfied by PHYS 221
  _____ B2/B3 – Waived for Computer Engineering majors
  _____ B4 – Satisfied by MATH 201 or MATH 231 or higher with grade of C or better
  _____ C1
  _____ C2, C4, or C5
  _____ C3 – US History double-counts for C3 for Computer Engineering majors
  _____ US History for American Institutions (AI) requirement
  _____ D1, D2, D4, or D5 – Recommend ECON 201 or 202 (Economics is part of FE exam)
  _____ Theme 1 – Met by completing ECE 490A & B
  _____ Theme 2 – Satisfied by PHIL 316
  _____ Theme 3 – Waived for Computer Engineering majors
  _____ Gender, Race, and Ethnicity (GRE) (3-5)
  _____ GWAR – Pass exam or take course (COMM 304 – Technical Writing recommended for course)