Lower Division (14)
- ECE 160 Introduction to Engineering (3)
- CMPS 150 Introduction to Unix (1)
- CMPS 221 Programming Fundamentals
- CMPS 224 Assembly Language Programming

Upper Division required (42)
- ECE 304 Signals & Systems I
- ECE 307 Analog Circuits
- ECE 320 Digital Circuits
- ECE 330 Signals & Systems II
- ECE 332 Fields and Waves
- ECE 337 Power Systems I
- ECE 423 Digital and Analog Communications
- ECE 490A Senior Project I (3) and ECE 490B Senior Project II (4)

Upper Division Electrical Engineering Electives (select 3 courses) (15)

Additional Units (select 4 units of general university courses) (4)

Cognate Requirements (58)
- MATH 201/231 Calculus I (also satisfies B4)
- MATH 202/232 Calculus II
- MATH 203/233 Calculus III
- MATH 204/234 Calculus IV
- MATH 230/330 Linear Algebra
- MATH 340 Probability
- CHEM 211 Principles of General Chemistry
- 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 (37)
- CSUB 101 (2)
- A1 - COMM 108
- A2 - ENGL 110
  - A3 - substituted by ENGR 207
  - 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 ECE 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)