ELECTRICAL ENGINEERING 2012/13 DEGREE REQUIREMENT CHECKLIST (180 UNITS)

Lower Division (12)
- CSUB 101 Introduction to Engineering (2)
- CMPS 221 Programming Fundamentals
- CMPS 224 Assembly Language Programming

Upper Division required (40)
- CENG 304 Linear Systems
- CENG 306 Complex Analysis in Engineering
- CENG 307 Analog Circuits
- CENG 320 Digital Circuits
- EENG 325 Properties of Materials
- CENG 330 Signals and Systems
- EENG 332 Fields and Waves
- EENG 490 Senior Project I

Upper Division EENG Electives (select 2 courses) (10)

Cognate Requirements (53)
- MATH 201 Calculus I (also satisfies B4)
- MATH 202 Calculus II
- MATH 203 Calculus III
- MATH 204 Calculus IV
- 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 (50)
- A1 - COMM 108
- A2 - ENGL 110
  - A3 - waived at the time the EENG major takes CENG 320
- 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)
- COMM 304 Recommended or pass GWAR exam (0)