

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 GVAR exam (0)