

ELECTRICAL ENGINEERING 2013-15 DEGREE REQUIREMENT CHECKLIST QUARTER UNITS: 180 ABET CORE UNITS: 129
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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)

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

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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 GEAR exam (0)