**ELECTRICAL ENGINEERING**

**MAJOR REQUIREMENTS**

PLEASE NOTE: All courses used to satisfy major requirements must be taken for a LETTER GRADE.

### Lower Division Requirements

- CHEM 6A (General Chemistry I)
- PHYS 2A (Mechanics)
- PHYS 2B (Electricity and Magnetism)
- PHYS 2C (Flu, Wav, Thrmdyn, Optics)
- PHYS 2D (Relativity & Quantum)
- MATH 20A (Calculus I)
- MATH 20B (Calculus II)
- MATH 20C (Calculus III)
- MATH 20D (Differential Equations)
- MATH 20E (Vector Calculus)
- MATH 18 (Linear Algebra)
- ECE 5 (Intro to ECE)
- ECE 15 (Engineering Computation)
- ECE 25 (Intro to Digital Design)
- ECE 30 (Intro to Computer Eng)
- ECE 35 (Intro to Analog Design)
- ECE 45 (Circuits & Systems)
- ECE 65 (Components & Circuits Lab)

### Upper Division Requirements

**BREADTH**

- ECE 100 (Linear Electronic Systems)
- ECE 101 (Linear Systems Fundamentals)
- ECE 102 (Intro Active Circuit Design)
- ECE 103 (Fundamentals/Devics & Matrls)
- ECE 107 (Electromagnetism)
- ECE 109 (Eng. Probability & Stats)

**DEPTH**

- ECE 164 (Analog Integrated Circuit Design)
- ECE 165 (Digital Integrated Circuit Design)
- ECE 166 (Microwave Systems and Circuits)

- Design Course: ECE 111, 191, or 190

### ELECTIVES

- 5 Technical
- 2 Professional

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### Schedule

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ECE Undergraduate Student Affairs Office | Jacobs Hall 2700 | ece.ucsd.edu
Questions? Go to vac.ucsd.edu
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