# 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)
- **MATH 20A** (Calculus I)
- **MATH 20B** (Calculus II)
- **MATH 20C** (Calculus III)
- **MATH 20D** (Differential Equations)
- **PHYS 2A** (Mechanics)
- **PHYS 2B** (Electricity and Magnetism)
- **PHYS 2C** (Flu, Wav, Thrmdyn, Optics)
- **PHYS 2D** (Relativity & Quantum)
- **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 107** (Electromagnetism)

### CUSTOM DEPTH*
- **__________**
- **__________**
- **__________**
- **__________**
- **__________**

*The Depth in Power Engineering has not been officially approved. Students can take 5 Power Engineering courses to complete a Custom Depth. ECE 121A, 121B, 125A and 125B are recommended.

- Design Course: ECE 111, 115, 191, or 190

## Electives
- **5 Technical**
- **2 Professional**
- **__________**
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## Schedule

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