

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)
- 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)
- PHYS 2A (Mechanics)
- PHYS 2B (Electricity and Magnetism)
- PHYS 2C (Flu,Wav,Thrmdyn,Optics)
- PHYS 2D (Relativity & Quantum)

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
- _____
- _____

**2017-2018
CUSTOM DEPTH IN POWER ENGINEERING**

	FALL	WINTER	SPRING	SUMMER
Year 1				
Year 2				
Year 3				
Year 4				