

ELECTRICAL ENGINEERING

MAJOR REQUIREMENTS

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/Devs & Matrls)
- ECE 109 (Eng. Probability & Stats)

DEPTH

- CSE 141 (Intro to Computer Architecture)
 - ECE 165 (Digital Integrated Circuit Design)
- and two of
- ECE 111 (Advanced Digital Design Project),
 - ECE 158A (Data Networks I), OR
 - CSE 143 (Microelectronic System Design)

- Design Course: ECE 191 or 190

ELECTIVES

5 Technical

- _____
- _____
- _____
- _____
- _____

2 Professional

- _____
- _____

**2017-2018
COMPUTER SYSTEM DESIGN DEPTH**

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

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