UC San Diego
Electrical and Computer Engineering

ELECTRICAL ENGINEERING
MAJOR REQUIREMENTS

2017-2018
SIGNAL & IMAGE PROCESSING DEPTH

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 Fundamentls)
☐ ECE 107 (Electromagnetism)
☐ ECE 109 (Eng. Probability & Stats)

DEPTH
☐ ECE 153 (Probability and Random Processes for Engineers)
☐ ECE 161A (Intro to Digital Signal Processing)
☐ ECE 161B (Digital Signal Processing I)
☐ ECE 161C (Applications of Digital Signal Processing)

☐ Design Course: ECE 111, 191, or 190

ELECTIVES

6 Technical	2 Professional
☐ _____	☐ _____
☐ _____	☐ _____
☐ _____	
☐ _____	
☐ _____	
☐ _____	

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				

ECE Undergraduate Student Affairs Office | Jacobs Hall 2700 | ece.ucsd.edu
Questions? Go to vac.ucsd.edu
Updated 2/23/2017