

M.S. / Ph.D. Degree Planner: Electronic Circuits & Systems (EC78) – 2018-2019

Minimum of 12 units (Plan I) or 16 units (Plan II) must be 201+ ECE courses that must count towards your degree. All courses counted towards the degree must be taken for a letter grade.

Core Coursework (12 Units), one A-B-C sequence from the following:

ECE 264A-B-C-D*	CMOS Analog Integrated Circuits & Systems I, II, III, IV
ECE 265A-B-C**	Communication Circuit Design I & II, Power Amplifiers

*Students may take A-B-C or A-B-D to satisfy the core coursework requirement

**Students may take ECE 264A, B, C or D in places of ECE 265C

Quarter / Core Course	
Total: 12 units	

12 additional units selected from the following:

ECE 222A-B-C-D	Antennas & System Applications, Applied Electromagnetic Theory, Electromagnetics & Computational Methods, Advanced Antenna Design
ECE 250	Random Processes
ECE 251A-B-C-D	Digital Signal Processing I & II, Filter Banks & Wavelets, Array Processing
ECE 260A-B-C	VLSI Digital System Algorithms & Architectures, Integrated Circuits & Systems Design, Advanced Topics
ECE 264A-B-C-D	CMOS Analog Integrated Circuits & Systems I, II, III, IV
ECE 265A-B-C	Communication Circuit Design I & II, Power Amplifiers

Quarter / Additional Units	
Total: 12 units	

Technical Electives (24 units)

- Any 4 unit, 200+ course from ECE, CSE, MAE, BENG, CENG, NANO, SE, MATS, MATH, or PHYS taken for a letter grade may be counted. Exceptions to this list require departmental approval.
- Up to 12 units of undergraduate ECE coursework (ECE 111+ only*) OR up to two 4-unit course of undergraduate ECE coursework (ECE 111+ only*) and one 4-unit course of CSE undergraduate coursework (CSE100+ only**) may be counted.
- MS students (Plan II) are allowed no more than 4 units of ECE 299 (research units) as technical electives. PhD and MS students (Plan I) are allowed no more than 8 units of ECE 299 as technical electives.
- With the exception of research units, all courses counted towards the degree must be taken for a letter grade.

Quarter / Tech. Electives	
Total: 24 units	

* Not including ECE 195, 197, 198, 199 or 298

** Not including CSE 123A, 140, 140L, or 143

Curriculum Advisor: Ian Galton	
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Advisor's Signature

Date

Print Student Name (Last, First)

UCSD Email

PID