

M.S. / Ph.D. Degree Planner: Electronic Circuits and Systems (EC78)

COURSE REQUIREMENTS

Core Coursework (twelve units)

One A-B-C sequence selected from the following:

- | | |
|------------------------------|---|
| ECE 264 A-B-C-D ¹ | CMOS Analog Integrated Circuits and Systems I, II, III and IV |
| ECE 265 A-B-C ² | Communication Circuit Design I and II, Power Amplifiers for Wireless Communications |

Core Courses	
Total: 12 Units	

¹ Students may take A-B-C or A-B-D to meet the one sequence core coursework requirement.

² Students may take ECE 264A, ECE 264B, ECE 264C or ECE 264D in place of ECE 265C.

Twelve additional units selected from the following

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|------------------------------|---|
| ECE 222 A-B-C-D ³ | Antennas and Their System Applications, Applied Electromagnetic Theory - Electromagnetics and Computational Methods for Electromagnetics, Advanced Antenna Design |
| ECE 250 | Random Processes |
| ECE 251 A-B-C-D | Digital Signal Processing I and II, Filter Banks & Wavelets, Array Processing |
| ECE 260 A-B-C | VLSI- Digital System Algorithms and Architectures, Integrated Circuits and Systems Design, Advanced Topics |
| ECE 264 A-B-C-D | CMOS Analog Integrated Circuits and Systems I, II, III and IV |
| ECE 265 A-B-C | Communication Circuit Design I and II, Power Amplifiers |

Additional Courses	
Total: 12 Units	

³ ECE course not offered during 2015-16 academic year.

Technical Electives (twenty-four 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) may be counted
- M.S. Students (Plan II) are allowed no more than 4 units of 299 as technical electives. Ph.D. and M.S. Students (Plan I) are allowed no more than 8 units of 299 as technical electives.

Technical Electives	
Total: 24 Units	

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Advisor's Signature

Date

Student Name

PID