

- ❖ 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 and for **4 units**, with the exception of research units.
- ❖ Students **CANNOT** repeat a course unless they earned a D, F, or U grade. If you'd like to repeat a course, please submit the [online form](#). More information about how to repeat a course can be found [here](#).
- ❖ Must meet the Academic Residency requirement. More detailed info can be found [here](#).

Core Coursework (12 Units) – choose one sequence from the following options:

The following combined options are from the 264A-D series (CMOS Analog Integrated Circuits & Systems I, II, III, IV) and the ECE 265A-D series (Communication Circuit Design I & II, Power Amplifiers for Wireless Communications, Communication Circuit Design III).
Students must take A-B but the 3rd class is flexible.

ECE 264A-B, choose the 3rd class ECE 264C, 264D, 265A, 265B, 265C or 265D

ECE 265A-B, choose the 3rd class ECE 265C, 265D, 264A, 264B, 264C or 264D

- ❖ B-' grade or higher needs to be earned in order to move onto the next part of the sequence. No exceptions.

| Quarter (List FA##, WI##, SP## below) | Core Courses |
|---|-----------------|
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| Total: 12 Units | |

12 Additional Units Selected from the following

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| ECE 203 | Biomedical Integrated Circuits and Systems |
| ECE 222A-B-C-D | Antennas & Their System Applications, Applied Electromagnetic Theory-Electromagnetics, Computational Methods for Electromagnetics, 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-D | Communication Circuit Design I & II, Power Amplifiers for Wireless Communications, Communication Circuits III |
| ECE 266 | CMOS Circuit Lab |
| ECE 283 | Integrated Circuit Lab |
| ECE 283 (Fall) | Power Management Integrated Circuits |
| ECE 283 (Winter) | High-Speed Wireline Communication Circuits and Systems |

| Quarter (List FA##, WI##, SP## below) | Additional Units |
|---|---------------------|
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| Total: 12 Units | |

| Quarter (List FA##, WI##, SP## below) | Technical Electives |
|---|------------------------|
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| Total: 24 Units | |

Technical Electives (24 Units)

- ❖ Any 4 unit, 200+ course from ECE, CSE, DSC, MAE, BENG, CENG, NANO, SE, MATS, MATH, PHYS or COGS 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 courses of undergraduate ECE coursework (ECE 111+ only**) and one 4-unit course of CSE undergraduate coursework (CSE 100+ only***) may be counted.
- ❖ M.S. students (Plan II) are allowed no more than 4 units of research units as technical electives. Ph.D. and M.S. students (Plan I) are allowed no more than 8 units of research as technical electives.
- The following research course(s) could be used toward the degree:
 - ECE 299, CSE 293/298/299, MAE 299, BENG 299, NANO 299, SE 299, DSC 299

* Seminar courses cannot count towards the degree

** Not including ECE courses numbered: 195, 197, 198, 199, 210 or 298

*** Not including CSE courses numbered: 123, 140, 140L, 143 or 294

Curriculum Advisor

EC78 Advisor Contact Information

Role: Advises graduate students regarding course selection; Considers any exception requests requiring faculty approval; Signs forms; Technical engineering related questions & job advice.

PLEASE CONTACT [YOUR STAFF ADVISOR](#) FOR ALL OTHER ISSUES.