EE-Specific Required Courses

Engineering Core

“These courses stress the basic mathematical and scientific principles upon which the engineering discipline is based.” -ECE department

ECE Core

This list includes classes that are explicitly required for EEs or required for CompEs and not otherwise included in the Engineering Core.

Specifically Required

- ECE 329 - Fields and Waves I
- ECE 340 - Solid State Electronic Devices

Three-of-Five Requirement (Choose at least 3 of the following 5)

- ECE 310 - Digital Signal Processing I
- ECE 330 - Power Circuits and Electromechanics
- ECE 342 - Electronic Circuits
- ECE 350 - Lines, Fields, and Waves
- CS 225 - Data Structures or ECE 391 - Computer Systems Engineering

Senior Design or Senior Thesis

You must complete 1 of the following options:

- ECE 445 - Senior Design Project
- The combination of ECE 496 - Senior Research and ECE 499 - Senior Thesis
- Two semesters of an approved section of ENG 491 - Interdisciplinary Design Project