Required Core Courses
Three (3) courses. Total credits 12.

- ECE 2100 Introduction to Circuits for ECEs
  Coreqs: MATH 2930, PHYS 2213
- ECE 2200 Signals and Systems
  Prereqs: MATH 2930 & CS 1110 or 1112
  Coreq: MATH 2940
- ECE 3400 Intelligent Physical Systems
  Prereqs: ECE 2100, 2200, 2300

Foundation Courses
Minimum three (3) courses. Total credits 12.

- ECE 3100 Intro to Probability and Inference
  Prereq: MATH 2930, MATH 2940, ECE 2200 (or equivalent)
- ECE 3250 Mathematics of Signal and System Analysis
  Prereqs: MATH 2930, MATH 2940, ECE 2200 (or equivalent)
- ECE 3150 Intro to Microelectronics
  Prereq: ECE 2100

Upper-Level Electives
Five (5) courses. Total credits > 18.

- ECE 4250
- ECE 4740
- ECE 4370
- ECE 4750
- ECE 4530
- ECE 4760

Culminating Design Experience (CDE)
Choose one (1) ECE course from the CDEs

1. ______________________
2. ______________________
3. ______________________

ECE Technical Upper-Electives
Choose two (2) ECE courses at 4000+ level

1. ______________________
2. ______________________

- ECE Technical Upper-Electives
  Choose two (2) ECE courses at 3000+ level
  1. ______________________
  2. ______________________

Outside-ECE Technical Electives
Three (3) courses. Total credits > 9.

- ECE/ENGRD 3100
- ENGRD/ORIE 2700
- CEE 3040
- MSE 5730

*Other courses may be allowed by an ECE petition.

Additional Requirements
Courses fulfilling major requirements may also be counted here.

- Probability & Statistics
  Choose one (1):
  - ECE/ENGRD 3100
  - ENGRD/ORIE 2700
  - CEE 3040
  - MSE 5730

*Other courses may be allowed by an ECE petition.

Advanced Programming/Computer Engineering
Choose one (1):

- ECE 2400
- CS 2110
- ENGRD 3200
- ECE 4740
- ECE 4750
- ECE 4760

*Other courses may be allowed by an ECE petition.

Upon affiliation:
- Complete curriculum chart
- Meet with advisor

Senior Year - First Semester:
- Update curriculum chart with advisor
- Submit graduation checklist by semester’s end

Senior Year - Second Semester:
- Complete exit requirements

Exit Requirements:
- Submit grades for Incompletes
- Be sure AP and transfer credits are included on your transcript
- Complete all ECE requirements with a C- or better
- Complete graduation checklist by 7th week of final semester and review with advisor
- Complete an exit survey
**Rules Governing ECE Technical Upper-Level Electives**

i) All five courses must be technical ECE courses.

ii) Cross-listed courses with ECE course numbers are acceptable.

iii) Unacceptable courses include independent projects such as ECE 4999; non-technical courses such as ECE 3600 and ECE 5830; and seminar courses such as ECE 5870 and 5880. (Note: ECE 5830 counts as an Outside-ECE Technical Elective.)

iv) CS 4120 and/or CS 4410 may be used as 4000-level ECE technical electives.