Department of Electrical and Computer Engineering

Electrical Engineering Program – Effective Fall 2022

**Freshman Year**
- **Fall - 15 cr**
  - CH 101 General Chemistry 4 cr
  - MATH 125 Calculus I 4 cr
  - EN 101 English Composition 3 cr
  - HU/L/FA Elective 3 cr
- **Spring - 14 cr**
  - PH 105 General Physics with Calculus I 4 cr
  - MATH 126 Calculus II 4 cr
  - EN 102 English Composition 3 cr

**Sophomore Year**
- **Fall - 15 cr**
  - PH 106 General Physics with Calculus II 4 cr
  - MATH 227 Calculus III 4 cr
  - CS 100 Computer Science I 4 cr
  - ECE 121 (recommended) or ENGR 111 or other ENG intro courses 1 cr
- **Spring - 17 cr**
  - PH 253 Introduction to Modern Physics 3 cr
  - MATH 237 Introduction to Linear Algebra 3 cr
  - ECE 225 Electric Circuits 4 cr (offered Fall/Spring)
  - HU/L/FA Elective 3 cr

**Junior Year**
- **Fall - 17 cr**
  - MATH 355 Theory of Probability 3 cr
  - ECE 370 Signals & Systems 3 cr (offered Fall only)
  - ECE 332 Electronics I 4 cr (offered Fall/Spring)
- **Spring - 16 cr**
  - ECE 350 Electric Power and Machines 3 cr (offered Spring only)
  - ECE 333 Electronics II 4 cr (W) (offered Fall/Spring)

**Senior Year**
- **Fall - 16 cr**
  - ECE 326 Electric Networks 3 cr (offered Spring only)
  - ECE 380 Microwaves and Antennas 3 cr
  - HI/SB Elective 3 cr
- **Spring - 15 cr**
  - ECE 492 Capstone Design I 2 cr (offered Fall/Spring)
  - ECE 494 Capstone Design II 2 cr (offered Fall/Spring)

Transfer Note 1: A maximum of 12 credit hours can be transferred for ECE 300/400-level courses.
Transfer Note 2: ECE 492 and ECE 494 must be taken at UA and are not eligible for transfer credit.
Transfer Note 3: 4xx-level lecture/lab combos must be taken as a pair (i.e. either both taken off campus at the same institution as a pair or both are taken at UA as a pair).

Legend:
- Prerequisite (with grade of at least C-)
- *Prerequisite with concurrency
- + Prerequisite may be required, check Catalog
- HU = Humanities core elective
- L = Literature core elective
- FA = Fine Arts core elective
- HI = History core elective
- SB = Soc. & Behav. Sci. core elective
- W = Writing core requirement
- Offered Fall only
- Offered Spring only

This is an unofficial flow chart for the Electrical Engineering Program to assist students in preparing their schedules. The official curriculum and courses will be listed in the current version of The University of Alabama Undergraduate Catalog. The Department may change course prerequisites as appropriate. Students must consult with their advisor prior to registering to ensure correct course sequencing.

125 total credits