**Department of Electrical and Computer Engineering**

**Electrical Engineering Program – Effective Fall 2020**

### Freshman Year
- **Fall - 15 cr**
  - CH 101 General Chemistry 4 cr
  - ENGR 103 Engineering Foundations 3 cr
  - EN 101 English Composition 3 cr
  - MATH 125 Calculus I 4 cr
  - MATH 126 Calculus II 4 cr
  - MATH 238 Applied Diff. Equations I 3 cr
  - ECE 121 (recommended) or ENGR 111 or other ENG intro courses 1 cr (offered Fall/Spring)
  - HU/FA Elective 3 cr

### Sophomore Year
- **Fall - 15 cr**
  - PH 105 General Physics with Calculus I 4 cr
  - PH 106 General Physics with Calculus II 4 cr
  - PH 253 Introduction to Modern Physics 3 cr
  - MATH 227 Calculus III 4 cr
  - MATH 237 Introduction to Linear Algebra 3 cr
  - MATH 325 Electric Circuits 4 cr (offered Fall/Spring)
  - MATH 326 Introduction to Modern Physics 3 cr

### Junior Year
- **Fall - 17 cr**
  - PH 253 Introduction to Modern Physics 3 cr
  - MATH 355 Theory of Probability 3 cr
  - ECE 325 Electric Circuits 4 cr (offered Fall/Spring)
  - ECE 326 Electric Networks 3 cr (offered Spring only)
  - ECE 332 Electronics I 4 cr (offered Fall/Spring)
  - ECE 333 Electronics II 4 cr (offered Fall/Spring)

### Senior Year
- **Fall - 16 cr**
  - ECE 340 Electromagnetics 4 cr (offered Fall only)
  - ECE 341 Communications Systems 3 cr
  - Restricted Area Elective 3 cr

- **Spring - 15 cr**
  - ECE 345 Digital Logic Design 3 cr
  - ECE 346 Professional Elective 3 cr
  - ECE Elective 3 cr

### Transfer Notes
1. A maximum of 12 credit hours can be transferred for ECE 300/400-level courses.
2. ECE 492 and ECE 494 must be taken on campus and are not eligible for transfer credit.

### Legend:
- Prerequisite
- Corequisite
* Prerequisite may be required, check Catalog
+ Check Catalog for prerequisites, University Core and College Requirements

This is an unofficial flow chart for the Electrical Engineering major 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 or corequisites as appropriate. Students must consult with their advisor prior to registering to ensure correct course sequencing.