Department of Electrical and Computer Engineering
Electrical Engineering Program – Effective Fall 2021

UA ECE

Freshman Year		Sophomore Year		Junior Year		Senior Year	
Fall - 15 cr	Spring - 14 cr	Fall - 15 cr	Spring - 17 cr	Fall – 17 cr	Spring - 16 cr	Fall - 16 cr	Spring - 15 cr

* CH 101 General Chemistry 4 cr
* MATH 125 Calculus I 4 cr
* ECE 121 (recommended) or ENGR 111 or other ENG intro courses 1 cr (offered Fall/Spring)
EN 101 English Composition 3 cr
+ HU/L/FA Elective 3 cr

PH 105 General Physics with Calculus I 4 cr
MATH 126 Calculus II 4 cr
OR
* ENGR 103 Engineering Foundations 3 cr
EN 102 English Composition 3 cr

PH 106 General Physics with Calculus II 4 cr
MATH 227 Calculus III 4 cr
MATH 238 Applied Diff. Equations I 3 cr
* CS 100 Computer Science I 4 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)
ECE 380 Digital Logic 4 cr (offered Fall/Spring)
+ HU/L/FA Elective 3 cr

MATH 355 Theory of Probability 3 cr
ECE 370 Signals & Systems 3 cr (offered Fall only)
ECE 332 Electronics I 4 cr (W) (offered Fall/Spring)
ECE 383 Microcomputers 4 cr (offered Fall/Spring)
+ HU/L/FA Elective 3 cr

ECE 326 Electric Networks 3 cr (offered Spring only)
ECE 350 Electric Power and Machines 3 cr (offered Spring only)
ECE 333 Electronics II 4 cr (W) (offered Fall/Spring)
* ECE 330 or ECE 455 or PH 301 3 cr
+ HI/SB Elective 3 cr

ECE 340 Electromagnetics 4 cr (offered Fall only)
* Restricted Area Elective 3 cr
ECE 492 Capstone Design I 2 cr (offered Fall/Spring)
* ECE Elective 3 cr
* ECE Elective Lab 1 cr
+ HI/SB Elective 3 cr

* ECE or Professional Elective 3 cr
* ECE Elective 3 cr
ECE 494 Capstone Design II 2 cr (offered Fall/Spring)
* ECE Elective 3 cr
* ECE Elective Lab 1 cr
+ HI/SB Elective 3 cr

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 on campus and are not eligible for transfer credit.

Legend:
→ Prerequisite
⇢ Prerequisite with concurrency
* Prerequisite may be required, check *Catalog*
+ Check *Catalog* for prerequisites, University Core and College Requirements

Course designation
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

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 as appropriate. **Students must consult with their advisor prior to registering to ensure correct course sequencing.**

125 total credits