Department of Electrical and Computer Engineering

Electrical Engineering Program – Effective Fall 2022

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	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 355 Theory of Probability 3 cr	ECE 326 Electric Networks 3 cr (offered Spring only)	ECE 340 Electromagnetics 4 cr (offered Fall only)	* ECE or Professional Elective 3 cr
* MATH 125 Calculus I 4 cr	MATH 126 Calculus II 4 cr	MATH 227 Calculus III 4 cr	MATH 237 Introduction to Linear Algebra 3 cr	ECE 370 Signals & Systems 3 cr (offered Fall only)	ECE 350 Electric Power and Machines 3 cr (offered Spring only)	* Restricted Area Elective 3 cr	* ECE Elective 3 cr
OR							
* ECE 121 (recommended) or ENGR 111 or other ENG intro courses 1 cr (offered Fall/Spring)	* ENGR 103 Engineering Foundations 3 cr	MATH 238 Applied Diff. Equations I 3 cr	ECE 225 Electric Circuits 4 cr (offered Fall/Spring)	ECE 332 Electronics I 4 cr (W) (offered Fall/Spring)	ECE 333 Electronics II 4 cr (W) (offered Fall/Spring)	ECE 492 Capstone Design I 2 cr (offered Fall/Spring)	ECE 494 Capstone Design II 2 cr (offered Fall/Spring)
EN 101 English Composition 3 cr	EN 102 English Composition 3 cr	* CS 100 Computer Science I 4 cr	ECE 380 Digital Logic 4 cr (offered Fall/Spring)	ECE 383 Microcomputers 4 cr (offered Fall/Spring)	* ECE 330 or ECE 455 or PH 301 3 cr	* ECE Elective 3 cr	* ECE Elective 3 cr
+ HU/L/FA Elective 3 cr			+ HU/L/FA Elective 3 cr	+ HU/L/FA Elective 3 cr	+ HI/SB Elective 3 cr	ECE Elective Lab 1 cr	ECE Elective Lab 1 cr
						+ HI/SB Elective 3 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 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*
- + 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 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