Department of Electrical and Computer Engineering
Computer Engineering Program – Effective Fall 2020

**Freshman Year**
- Fall - 15 cr
- Spring – 14 cr

- CH 101 General Chemistry 4 cr
- MATH 125 Calculus I 4 cr
- ECE 121 (recommended) or ENGR 103 Engineering Foundations 5 cr
- EN 101 English Composition 3 cr
- HU/L/FA Elective 3 cr

**Sophomore Year**
- Fall - 15 cr
- Spring - 17 cr

- PH 105 General Physics with Calculus I 4 cr
- MATH 126 Calculus II 4 cr
- ENGR 103 Engineering Foundations 5 cr
- CS 100 Computer Science I 4 cr
- ECE 121 (recommended) or ENGR 103 Engineering Foundations 5 cr
- EN 102 English Composition 3 cr
- HU/L/FA Elective 3 cr

**Junior Year**
- Fall - 17 cr
- Spring - 14 cr

- PH 106 General Physics with Calculus II 4 cr
- MATH 236 Applied Diff. Equations I 3 cr
- MATH 227 Calculus III 4 cr
- MATH 237 Introduction to Linear Algebra 3 cr
- MATH 365 Theory of Probability 3 cr
- MATH 380 Digital Logic 4 cr
- ECE 225 Electric Circuits 4 cr (offered Fall/Spring)
- ECE 235 Signals & Systems 3 cr (offered Fall only)
- CS 101 Computer Science II 4 cr
- HU/L/FA Elective 3 cr
- ECE 380 Microprocessors 4 cr (offered Fall/Spring)
- ECE 383 Computer Architecture 3 cr (offered Fall only)

**Senior Year**
- Fall - 16 cr
- Spring - 15 cr

- MATH 301 Discrete Mathematics 3 cr
- ECE 326 Electric Networks 3 cr (offered Spring only)
- ECE 332 Electronics I 4 cr (W)
- ECE 333 Electronics II 4 cr (W)
- ECE 370 Signals & Systems 3 cr (offered Fall only)
- ECE 375 Electric Networks 3 cr (offered Spring only)
- ECE 384 Embedded Systems 3 cr
- ECE 386 Embedded Systems Lab 1 cr
- ECE 408 or ECE 475 Capstone Design I 2 cr (offered Fall/Spring)
- ECE 492 Capstone Design II 2 cr (offered Fall/Spring)
- ECE 484 Computer Architecture 3 cr (offered Fall only)

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

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.

This is an unofficial flowchart for the computer 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.

123 total credits