Department of Electrical and Computer Engineering
Computer Engineering Option – Effective Spring 2015

Freshman Year
Fall - 15 cr

- CH 101 General Chemistry 4 cr
- PH 105 General Physics with Calculus I 4 cr
- MATH 125 Calculus I 4 cr
- PH 106 General Physics with Calculus II 4 cr
- MATH 238 Applied Diff. Equations I 3 cr
- ECE 121 or ENGR 111 Engineering Foundations 3 cr
- EN 101 English Composition 3 cr
- EN 102 English Composition 3 cr
- CS 100 Computer Science I 4 cr
- MATH 126 Calculus II 4 cr
- MATH 227 Calculus III 4 cr
- MATH 237 Introduction to Linear Algebra 3 cr
- MATH 301 Discrete Mathematics 3 cr
- ECE 225 Electric Circuits 4 cr (offered Fall/Spring)
- ECE 301 Computer Architecture 3 cr
- HU/L/FA Elective 3 cr
- ECE 401 Circuit Analysis 3 cr

Sophomore Year
Fall - 15 cr

- MATH 126 Calculus II 4 cr
- MATH 238 Applied Diff. Equations I 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)
- ECE 301 Computer Architecture 3 cr
- HU/L/FA Elective 3 cr
- ENGR 106 Statics 3 cr
- ENGR 108 Mechanical Design 3 cr
- CS 101 Computer Science II 4 cr
- ENGR 103 Statics 3 cr
- ENGR 108 Mechanical Design 3 cr
- CS 201 Data Structures 4 cr
- MATH 227 Calculus III 4 cr
- MATH 237 Introduction to Linear Algebra 3 cr
- ECE 380 Digital Logic 4 cr (offered Fall/Spring)
- ECE 383 Microprocessors 4 cr (offered Fall/Spring)
- ECE 480 Digital Systems Design 3 cr (offered Fall only)
- ECE 481 Digital Systems Design Lab 1 cr (offered Fall only)

Junior Year
Fall - 17 cr

- ECE 225 Electric Circuits 4 cr (offered Fall/Spring)
- ECE 380 Digital Logic 4 cr (offered Fall/Spring)
- ECE 383 Microprocessors 4 cr (offered Fall/Spring)
- ECE 480 Digital Systems Design 3 cr (offered Fall only)
- ECE 481 Digital Systems Design Lab 1 cr (offered Fall only)
- MATH 227 Calculus III 4 cr
- MATH 237 Introduction to Linear Algebra 3 cr
- ECE 380 Digital Logic 4 cr (offered Fall/Spring)
- ECE 383 Microprocessors 4 cr (offered Fall/Spring)
- ECE 480 Digital Systems Design 3 cr (offered Fall only)
- ECE 481 Digital Systems Design Lab 1 cr (offered Fall only)

Senior Year
Fall - 16 cr

- ECE 380 Digital Logic 4 cr (offered Fall/Spring)
- ECE 383 Microprocessors 4 cr (offered Fall/Spring)
- ECE 480 Digital Systems Design 3 cr (offered Fall only)
- ECE 481 Digital Systems Design Lab 1 cr (offered Fall only)

Legend:
- Prerequisite
- Corequisite
+ 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 (EN102 prerequisite)

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.