# Computer Engineering Option – Effective Spring 2012

## Freshman Year
### Fall - 16 cr
- CH 101 – 4 cr  
  General Chemistry
- MATH 125  
  Calculus I 4 cr
- ENGR 111  
  Eng. For the Future 1 cr
- EN 101  
  English Composition 3 cr

### Spring - 15 cr
- PH 105 – 4 cr  
  General Physics with Calculus I
- MATH 126  
  Calculus II 4 cr
- ECE 121  
  Fund. of ECE I 1 cr
- EN 102  
  English Composition 3 cr

## Sophomore Year
### Fall - 15 cr
- PH 106 – 4 cr  
  General Physics with Calculus II
- MATH 227  
  Calculus III 4 cr
- ECE 285  
  Programming for ECE 2 cr
- CS 150 – 2 cr  
  Programming I

### Spring - 16 cr
- MATH 238  
  Applied Diff. Equations I 3 cr
- ECE 225  
  Electric Circuits 3 cr
- ECE 380  
  Digital Logic 4 cr (W)
- MATH 301  
  Discrete Mathematics 3 cr

## Junior Year
### Fall - 16 cr
- HI/SB Elective 3 cr
- MATH 237  
  Applied Matrix Theory 3 cr
- ECE 250  
  Circuit Analysis 3 cr
- ENGR 131  
  Eng. Con. & Des. I 1 cr

### Spring - 16 cr
- ECE 326  
  Electric Networks 3 cr
- ECE 383  
  Micro-Computers 4 cr
- ENGR 141  
  Eng. Con. & Des. II 1 cr
- CS 351 – 2 cr  
  CS Programming III

## Senior Year
### Fall - 16 cr
- HI & SB Elective 3 cr
- ECE 333  
  Electronics II 4 cr (W)
- ECE 480  
  Digital Sys. Design 3 cr
- ECE 370  
  Signals and Systems 3 cr

### Spring - 15 cr
- ECE 332  
  Electronics I 4 cr (W)
- ECE 481  
  Digital Sys. Design Lab 1 cr
- ECE 486  
  Embedded Systems 3 cr
- ECE 484  
  Computer Architecture 3 cr

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**Legend:**
- \(\rightarrow\) Prerequisite
- \(\Rightarrow\) Corequisite
- \(\ast\) Prerequisite may be required, check Catalog
- \(\ast\ast\) 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

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This is an unofficial flow chart for the computer engineering option 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.