The diagram illustrates the course sequence for the Computer Engineering Option over the four years: Freshman Year, Sophomore Year, Junior Year, and Senior Year. Each year is divided into Fall and Spring semesters.

### Freshman Year
- **Fall**
  - CH 101: General Chemistry (4 cr)
  - ECE 121 (optional or ENGR 111 or other ENG intro courses (1 cr) (offered Fall/Spring)
  - MATH 125: Calculus I (4 cr)
  - EN 101: English Composition (3 cr)
  - CS 100: Computer Science I (4 cr)
  - HUL/FA Elective (3 cr)

- **Spring**
  - PH 105: General Physics with Calculus I (4 cr)
  - MATH 126: Calculus II (4 cr)
  - ENGR 103: Engineering Foundations (3 cr)
  - EN 102: English Composition (3 cr)
  - CS 100: Computer Science I (4 cr)

### Sophomore Year
- **Fall**
  - PH 106: General Physics with Calculus II (4 cr)
  - MATH 238: Applied Diff. Equations I (3 cr)
  - MATH 227: Calculus III (4 cr)
  - MATH 380: Digital Logic (4 cr) (offered Fall/Spring)
  - ECE 225: Electric Circuits (4 cr) (offered Fall/Spring)
  - HUL/FA Elective (3 cr)

- **Spring**
  - MATH 301: Discrete Mathematics (3 cr)
  - MATH 237: Introduction to Linear Algebra (3 cr)
  - MATH 355: Theory of Probability (3 cr)
  - CS 101: Computer Science II (4 cr)
  - ECE 326: Electric Networks (3 cr) (offered Spring only)
  - ECE 383: Microprocessors (4 cr) (offered Fall/Spring)

### Junior Year
- **Fall**
  - ECE 370: Signals & Systems (3 cr) (offered Fall only)
  - ECE 332: Electronics I (4 cr) (offered Fall/Spring)
  - ECE 333: Electronics II (4 cr) (offered Fall/Spring)
  - HUL/FA Elective (3 cr)

- **Spring**
  - ECE 492: Capstone Design I (2 cr) (offered Fall/Spring)
  - ECE 494: Capstone Design II (2 cr) (offered Fall/Spring)
  - Restricted Area Elective (3 cr)

### Senior Year
- **Fall**
  - ECE 408 or ECE 476 or ECE 481 (3 cr)
  - CS 201: Data Structures (4 cr)
  - CS 409 or ECE 476 or ECE 481 (Lab must match the lecture) (1 cr)

- **Spring**
  - ECE 486: Embedded Systems (3 cr) (offered Spring only)
  - ECE 487: Embedded Systems Lab (1 cr) (offered Spring only)

### Notes
- **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)

- **Course offerings:**
  - MATH 151: Calculus I
  - MATH 152: Calculus II
  - ENGR 71: Engineering Foundations
  - ECE 121: General Chemistry
  - ECE 122: General Physics
  - ECE 123: General Physics with Calculus
  - ECE 124: General Physics with Calculus II

- **Restrictions:**
  - Students must take at least 15 credits of upper division ECE courses in each of the Junior and Senior Years.
  - Certain courses have prerequisites or corequisites as indicated in the course descriptions.

- **Legend:**
  - Freshman - 15 credits
  - Sophomore - 17 credits
  - Junior - 14 credits
  - Senior - 15 credits

- **Total Credits:** 123 credits

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This is an unofficial 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.