# ELECTRICAL ENGINEERING

## Physical Electronics Recommended Schedule

### 2012-2013

### Lower Division

**Freshman Year**
- **Fall**
  - Math 21A - Calculus
  - ECS10/ECS 30 - Programming
  - English - UWP 1 or English 3 or Comp Lit 1, 2, 3 or 4 or NAS 5
  - EEC 1 – Intro to ECE
- **Winter**
  - Math 21B - Calculus
  - Chemistry 2A - General Chemistry
  - ECS30/GE Elective

**Sophomore Year**
- **Fall**
  - Math 21D - Vector Analysis
  - Physics 9B - Classical Physics
  - EEC 70 - Assembly Language
  - GE Elective
- **Winter**
  - Math 22A - Linear Algebra
  - Physics 9C - Classical Physics
  - CMN 1 - Public Speaking or CMN 3 - Group Communication
  - GE Elective
- **Spring**
  - Math 22B - Differential Equations
  - Physics 9D - Modern Physics
  - ENG 17 – Circuits I
  - GE Elective

### Upper Division

**Junior Year**
- **Fall**
  - EEC 100 - Circuits II
  - EEC 140A – Device Physics
  - EEC 180A – Digital Systems
- **Winter**
  - EEC 110A - Electronic Circuits
  - EEC 130A – Electromagnetics
  - EEC 150A – Signals and Systems
  - Upper Division Comp Requirement

**Senior Year**
- **Fall**
  - EEC 196 – Issues in Eng. Design
  - EEC 116 – VLSI Design
  - EEC 136A – Electronic Design Project
  - †EEC 132A – RF & Micro in Wireless Comm
- **Winter**
  - †EEC 112 – Communication Electronics
  - EEC 136B – Electronic Design Project
  - EEC 146A – Integrated Circuits Fabrication
  - Technical Elective
  - GE Elective
- **Spring**
  - †EEC 118 – Dig Integrated Circuits
  - * EEC 146B – Adv. Integrated Circuit Fab
  - EEC161 – Probability & Statistics
  - ENG 190 – Professional Responsibilities
  - Technical Elective

* Will not be offered this academic year, may change for future years
† Take one of these three

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**Total Units for Degree Requirement in Electrical Engineering - 180**

In addition to the courses listed above, you may need to complete an appropriate number of unrestricted electives in order to meet the campus requirement of having completed at least 180 units prior to graduation.
For assistance with schedule modifications, consult the ECE Staff Advisor