# ELECTRICAL ENGINEERING

## Communication, Control & Signal Processing 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

- Spring
  - Math 21C - Calculus
  - Physics 9A - Classical Physics
  - ENG 6 - Engineering Problem Solving
  - 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
  - GE Elective

- Spring
  - EEC110B – Electronic Circuits II
  - EEC 180B – Digital Systems II
  - EEC 161 – Prob and Statistics
  - Upper Division UWP

**Senior Year**
- Fall
  - EEC 196 – Issues in Engineering Design
  - Project Course
  - EEC 157A – Control Systems
  - EEC 150B – Signals & Systems II
  - EEC 160 – Signal Analysis & Communication

- Winter
  - Project Course
  - EEC 112 – Communication Electronics
  - EEC 157B - Control Systems or EEC 165 – Statistical & Digital Comm
  - Technical Elective

- Spring
  - ENG 190 - Prof Responsibilities
  - GE Elective
  - Technical Elective

### 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_