## COMPUTER ENGINEERING
### Recommended Schedule - 2012-2013 – GE3

#### Lower Division

**Freshman Year**
- **Fall**
  - Math 21A - Calculus
  - ECS 10 or 30
  - 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
  - ECS 30 or 40
  - GE Elective

- **Spring**
  - Math 21C - Calculus
  - Physics 9A - Classical Physics
  - ECS 20 - Discrete Mathematics
  - GE Elective

**Sophomore Year**
- **Fall**
  - Math 21D - Vector Analysis
  - Physics 9B - Classical Physics
  - EEC 70 - Assembly Language
  - GE Elective

- **Winter**
  - Math 22A - Linear Algebra
  - Math 22AL – Linear Alg Comp Lab
  - Physics 9C - Classical Physics
  - ECS 40 or 60
  - GE Elective

- **Spring**
  - Math 22B - Differential Equations
  - ENG 17 – Circuits I
  - Physics 9D - Modern Physics
  - GE or ECS 60

#### Upper Division

**Junior Year**
- **Fall**
  - EEC 100 - Circuits II
  - EEC 140A - Device Physics
  - GE Elective

- **Winter**
  - EEC 110A - Electronic Circuits
  - EEC 180A - Digital Systems I
  - ECS 122A * - Algorithm Design & Analysis
  - Upper Div UWP

- **Spring**
  - EEC 180B - Digital Systems II
  - CMN 1 or 3
  - Technical Elective
  - EEC161 – Prob & Statistics

**Senior Year**
- **Fall**
  - ECS 150 - Operating Systems & Sys Prog
  - EEC 170 - Computer Architecture
  - EEC 173A – Computer Networks
  - EEC 196 – Issues in Eng Design

- **Winter**
  - EEC 172 – Embedded Systems
  - ENG 190 – Prof Responsibilities
  - Senior Design Project (EEC 181A)
  - GE Elective

- **Spring**
  - Senior Design Project (EEC 181B)
  - Upper Division Elective
  - GE Elective
  - Technical Elective

* course offering changes annually, check with Sisweb for current year

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

*For assistance with schedule modifications, consult the ECE Staff Advisor*