# Computer Engineering
## Computer Systems & Software Recommended Schedule
### 2012-2013

### Lower Division

**Freshman Year**
- **Fall**
  - Math 21A - Calculus
  - ECS 30 - Programming & Problem Solving
  - 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 40 - Software Development

**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 Algebra Lab
  - Physics 9C - Classical Physics
  - ECS 60 – Data Structures
  - GE Elective
- **Spring**
  - Math 22B - Differential Equations
  - ENG 17 – Circuits I
  - Physics 9D - Modern Physics
  - GE Elective

### Upper Division

**Junior Year**
- **Fall**
  - EEC 100 - Circuits II
  - EEC 140A - Device Physics
  - GE Elective
- **Winter**
  - EEC 110A - Electronic Circuits
  - EEC 122A* – Algorithm Design
  - EEC 180A - Digital Systems
  - CMN 1 - Public Speaking or CMN 3 - Group Communication

**Senior Year**
- **Fall**
  - EEC 150 - Operating Systems & Sys Prog
  - EEC 170 - Computer Architecture
  - EEC 196 – Issues in Eng Design
  - EEC 173A – Computer Networks
  - EEC 171 – Parallel Computer Architecture
  - EEC 181A – Dig Systems Design Project
  - Technical Elective
  - GE Elective

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

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

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