## COMPUTER ENGINEERING
### Digital Systems 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
  - 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
  - CMN 1 - Public Speaking or CMN 3 - Group Communication

- **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
  - UWP 101, 102 or 104

- **Winter**
  - EEC 110A - Electronic Circuits
  - ECS 122A * – Algorithm Design & Analysis
  - EEC180A – Digital Systems
  - GE Elective

- **Spring**
  - EEC 180B - Digital Systems II
  - EEC 110B – Electronic Circuits II
  - EEC118 – Digital Integrated Circuits
  - GE Elective

**Senior Year**
- **Fall**
  - EEC 170 - Computer Architecture
  - EEC 196 – Issues in Eng. Design
  - EEC116 – VLSI Design
  - GE Elective

- **Winter**
  - EEC 172 – Embedded Systems
  - EEC 181A – Dig Sys Proc Design
  - ENG 190 – Professional Responsibilities
  - GE Elective
  - Technical Elective

- **Spring**
  - ECS 150 - Operating Systems & Sys Prog
  - EEC 161 – Probability & Statistics
  - EEC 173A – Computer Networks
  - EEC 181B – Digital Sys Proc Design

*Required courses in this column are in bold; for others, be sure to check with advisor and catalog to fulfill degree requirements; note - additional units are listed

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*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*