COMPUTER ENGINEERING
Digital Systems Recommended Schedule
2012-2013

Upper Division

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

Junior Year   **Fall**
EEC 100 - Circuits II
EEC 140A - Device Physics
UWP 101, 102 or 104

                                                Winter
Math 21B - Calculus
Chemistry 2A - General Chemistry
ECS 40 - Software Development
GE Elective

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

                                                Spring
Math 21C - Calculus
Physics 9A - Classical Physics
ECS20 - Discrete Mathematics
GE Elective

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

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

                                                Winter
Math 22A - Linear Algebra
Math 22AL – Linear Algebra Lab
Physics 9C - Classical Physics
ECS 60 - Data Structures
GE Elective

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

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

*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