

COMPUTER ENGINEERING

Digital Systems Recommended Schedule

2011-2012

Upper Division

Lower Division

Freshman Year

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

Fall

Junior Year

EEC 100 - Circuits II
EEC 140A - Device Physics
UWP 101, 102 or 104

Fall

Winter

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

Winter

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

Spring

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

Spring

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

Sophomore Year

Math 21D - Vector Analysis
 Physics 9B - Classical Physics
 EEC 70 - Assembly Language
 CMN 1 - Public Speaking or
 CMN 3 - Group Communication

Fall

Senior Year

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

Fall

Winter

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

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

Winter

Spring

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

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

Spring

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