ELECTRICAL ENGINEERING
Digital Electronics Recommended Schedule
2012-2013

Lower Division

Freshman Year
Fall
Math 21A - Calculus
ECS10/ECS 30 - Programming
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
GE Elective/ECS30

Spring
Math 21C - Calculus
Physics 9A - Classical Physics
ENG 6 - Engineering Problem Solving
GE Elective

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

Winter
Math 22A - Linear Algebra
Physics 9C - Classical Physics
CMN 1 - Public Speaking or
  CMN 3 - Group Communication
GE Elective

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

Upper Division

Junior Year
Fall
EEC 100 - Circuits II
EEC 140A – Device Physics
EEC 180A – Digital Systems

Winter
EEC 110A - Electronic Circuits
EEC 130A – Electromagnetics
EEC 150A – Signals and Systems
Upper Division Comp Requirement

Spring
EEC 110B – Electronic Circuits II
EEC 140B – Device Physics II
EEC 180B – Digital Systems II
GE Elective

Senior Year
Fall
EEC 116 – VLSI Design
EEC 150B - Signals & Systems II
EEC 170 – Intro to Computer Architecture
EEC 195A – NATCAR Design Project
EEC 196- Issues in Engineering Design

Winter
EEC 112 – Communication Electronics
EEC 172 – Embedded Systems
EEC 195B – NATCAR Design Project
GE Elective

Spring
EEC 118 – Digital Integrated Circuits
EEC 161 – Prob and Statistics
ENG 190 – Prof Responsibilities
GE Elective

Total Units for Degree Requirement in Electrical Engineering- 180
In addition to the courses listed above, you may need to complete an appropriate number of unrestricted electives in order to meet the campus requirement of having completed at least 180 units prior to graduation.

For assistance with schedule modifications, consult the ECE Staff Advisor