

ELECTRICAL ENGINEERING

Digital Electronics Recommended Schedule

2011-2012

Lower Division

Upper Division

Freshman Year

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

Fall

Junior Year

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

Fall

Winter

Math 21B - Calculus
 Chemistry 2A - General Chemistry
 GE Elective/ECS30

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

Winter

Spring

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

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

Spring

Sophomore Year

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

Fall

Senior Year

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

Fall

Winter

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

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

Winter

Spring

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

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

Spring

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