

# ELECTRICAL ENGINEERING

## Physical 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**

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

**Winter**

**Spring**

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

EEC 110B – Electronic Circuits II  
EEC 130B – Electromagnetics II  
EEC 140B – Device Physics II  
GE Elective

**Spring**

#### Sophomore Year

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

**Fall**

#### Senior Year

EEC 196 – Issues in Eng. Design  
EEC 116 – VLSI Design  
EEC 136A – Electronic Design Project  
†EEC 132A – RF & Micro in Wireless Comm

**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 136B – Electronic Design Project  
EEC 146A – Integrated Circuits Fabrication  
Technical Elective  
GE Elective

**Winter**

**Spring**

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

†EEC 118 – Dig Integrated Circuits  
\* EEC 146B – Adv. Integrated Circuit Fab  
EEC161 – Probability & Statistics  
ENG 190 – Professional Responsibilities  
Technical Elective

**Spring**

\* If offered  
† Take one of these three

### 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***