

ELECTRICAL ENGINEERING
Electromagnetics, RF, Microwave, Wireless
Recommended Schedule
2012-2013

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

Winter

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

Math 21B - Calculus
 Chemistry 2A - General Chemistry
 ENG 6 - Engineering Problem Solving
 GE

Spring

Spring

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

Math 21C - Calculus
 Physics 9A - Classical Physics
 GE Elective/ECS30

Sophomore Year

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

Fall

Senior Year

EEC 132A – RF & Micro in Wireless Comm
 EEC 133 – Elec Rad & Antenna Analysis
 Project Course
 EEC 160 – Signal Analysis & Comm.
 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

Winter

EEC 112 – Communication Electronics
 EEC 132B – RF & Micro in Wireless Comm
 Project Course
 ENG 190 – Professional Responsibilities
 GE Elective

Spring

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

Spring

EEC132C – RF & Micro in Wireless Comm
 EEC161 – Prob and Statistics
 Technical Elective
 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