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

### Lower Division

**Fall**  
**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  

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

**Spring**  
- 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  

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

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

### Upper Division

**Fall**  
**Junior Year**  
- 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 130B – Electromagnetics II  
- EEC 140B – Device Physics II  
- GE Elective  

**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  

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

**Spring**  
- EEC132C – RF & Micro in Wireless Comm  
- EEC161 – Prob and Statistics  
- Technical Elective  
- GE Elective  

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**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**