

ELECTRICAL ENGINEERING

Recommended Schedule

2011-2012

Lower Division

Freshman Year	Fall
Math 21A - Calculus	4
ECS 30 - Programming & Problem Solving	4
English - UWP 1 or English 3 or Comp Lit 1, 2, 3 or 4 or NAS 5	4
EEC 1 – Intro to ECE	<u>1</u>
	13
	Winter
Math 21B - Calculus	4
Chemistry 2A - General Chemistry	5
ENG 6 - Engineering Problem Solving	4
Unrestricted Elective	<u>3</u>
	16
	Spring
Math 21C - Calculus	4
Physics 9A - Classical Physics	5
GE Elective	<u>4</u>
	13
Sophomore Year	Fall
Math 21D - Vector Analysis	4
Physics 9B - Classical Physics	5
EEC 70 - Assembly Language	4
GE Elective	<u>4</u>
	17
	Winter
Math 22A - Linear Algebra	3
Physics 9C - Classical Physics	5
CMN 1 - Public Speaking or CMN 3 - Group Communication	4
GE Elective	<u>4</u>
	16
	Spring
Math 22B - Differential Equations	3
Physics 9D - Modern Physics	4
ENG 17 - Circuits	4
GE Elective	<u>4</u>
	15

Lower Division Total Units - 90

Upper Division

Junior Year	Fall
EEC 100 - Circuits	5
EEC 140A- Device Physics	4
EEC 180A - Digital Systems	<u>5</u>
	14
	Winter
EEC 110A - Electronic Circuits	4
EEC 150A - Signals and Systems	4
EEC 130A – Electromagnetics	4
GE Elective	<u>4</u>
	16
	Spring
Lab Elective	4
Core Elective	4
Core Elective	4
Upper Division Comp Requirement or Unrestricted Elective	<u>4</u>
	16
Senior Year	Fall
EEC 161	4
EEC 196 – Issues in Eng Design	1
Design Elective	4
Technical Elective	3
Lab Elective	<u>4</u>
	16
	Winter
Project Course	3
ENG 190 - Prof Responsibilities	3
Technical Elective	3
Upper Division Elective	<u>4</u>
	13
	Spring
Project Course	2
Technical Elective	3
GE Elective	4
Unrestricted Elective	<u>4</u>
	15

Upper Division Total Units - 90

Total Units for Degree Requirement in Electrical Engineering- 180

For assistance with schedule modifications, consult the ECE Staff Advisor