

COMPUTER ENGINEERING

Recommended Schedule

2011-2012

Lower Division		Upper Division	
		Junior Year	Fall
Freshman Year	Fall	EEC 100 - Circuits II	5
Math 21A - Calculus	4	EEC 140A - Device Physics	4
ECS 30 - Programming & Problem Solving	4	Upper Div UWP or GE	<u>4</u>
English - UWP 1 or English 3 or Comp Lit 1, 2, 3 or 4 or NAS 5	4		13
EEC 1 – Intro to ECE	<u>1</u>		Winter
	13	EEC 110A - Electronic Circuits	4
	Winter	ECS122A – Algorithm Design & Analysis	4
Math 21B - Calculus	4	EEC 180A - Digital Systems	<u>5</u>
Chemistry 2A - General Chemistry	5		13
ECS 40 - Software Development	<u>4</u>		Spring
	13	EEC 180B - Digital Systems II	5
	Spring	Upper Div UWP	4
Math 21C - Calculus	4	Technical Elective	4
Physics 9A - Classical Physics	5	Unrestricted Elective	4
ECS 20 - Discrete Mathematics	4		17
GE Elective	<u>4</u>		
	17	Senior Year	Fall
Sophomore Year	Fall	ECS 150 - Operating Systems & Sys Prog	4
Math 21D - Vector Analysis	4	EEC 170 - Computer Architecture	4
Physics 9B - Classical Physics	5	EEC173A – Computer Networks	4
EEC 70 - Assembly Language	4	EEC 196 – Issues in Eng Design	1
CMN 1 or 3	<u>4</u>	EEC161 – Prob & Statistics	<u>4</u>
	17		17
	Winter		Winter
Math 22A - Linear Algebra	3	EEC 172 - Micro-Comp Based Sys Des	4
Math 22AL – Linear Alg Comp Lab	1	ENG 190	3
Physics 9C - Classical Physics	5	Senior Design Project (EEC181A)	3
ECS 60 – Data Structures	4	Technical Elective	<u>4</u>
GE Elective	<u>4</u>		14
	17		Spring
	Spring	Senior Design Project (EEC181B)	2
Math 22B - Differential Equations	3	Design Elective	4
Engineering 17 - Circuits	4	GE Elective	4
Physics 9D - Modern Physics	4	Unrestricted Elective	<u>4</u>
GE	<u>4</u>		14
	15		

Total Upper Division Units - 88

Total Lower Division Units - 92

Total Units for Degree Requirement in Computer Engineering - 180
For assistance with schedule modifications, consult the ECE Staff Advisor