

COMPUTER ENGINEERING - MA 113 & MA 123 14-15 EIGHT SEMESTER PLAN

FRESHMAN FALL		STATUS	PREREQ	NOTES
MA 113	College Algebra	3	ACT/SAT	
MA 123	Trigonometry	3	ACT/SAT	
CS 1113	Object-Oriented Java Programming	3	MA 113	
ENG 103	English Composition 1	3	ACT/SAT	
GE 101	Introduction to Engineering	1		
Total		13		

SOPHOMORE FALL		STATUS	PREREQ	NOTES
MA 164	Calculus 2	4	MA 134	
ECE 213/1	Circuit Analysis & Laboratory	4	MA 134/ECE 103	
ECE 263/1	Digital Systems & Laboratory	4		
	Free Elective (3)	3		
	Humanities/SS Elective (3)	3		
Total		18		

JUNIOR FALL		STATUS	PREREQ	NOTES
MA 233	Differential Equations	3	MA 213	
PH 224	University Physics 1 & Laboratory	4	MA 134	
ECE 373/1	Embedded Systems & Laboratory	4	ECE 273	
	CPE Concentration Elective (3)	3		
	Engineering Science Elective (3)	3		
Total		17		

SENIOR FALL		STATUS	PREREQ	NOTES
MA 473	Graph Theory and Combinatorics	3	MA 213	
GE 401	Professional Practice	1	Sr Standing	
ECE 4002	Project Management	2	Approval	
	CPE Concentration Electives (8)	8		
	Humanities/SS Elective (3)	3		
Total		17		

YEAR 1

FRESHMAN SPRING		STATUS	PREREQ	NOTES
MA 134	Calculus 1	3	MA 113/123	
CH 104	General Chemistry 1 & Laboratory	4	MA 113	
CS 1123	C++ and Object-Oriented Design	3	CS 1113	
ECE 103	Prototyping & Projects	3		
ENG 133	Technical Communication	3	ENG 103	
Total		16		

YEAR 2

SOPHOMORE SPRING		STATUS	PREREQ	NOTES
MA 213	Calculus 3	3	MA 164	
ECE 233/1	Discrete Electronics & Laboratory	4	ECE 213	
ECE 273/1	Microcontrollers & Laboratory	4	CS 1113/ECE 263	
SP 203	Effective Speaking	3	ENG 113 or 133	
	Humanities/SS Elective (3)	3		
Total		17		

YEAR 3

JUNIOR SPRING		STATUS	PREREQ	NOTES
MA 393	Probability & Statistics	3	MA 213	
PH 234	University Physics 2 & Laboratory	4	MA 164/PH 224	
ECE 363/1	Logic and Computer Design & Laboratory	4	ECE 263	
ECE 243	Analog Signals	3	ECE 213/263/MA 164	
	Engineering Science Elective (3)	3		
Total		17		

YEAR 4

SENIOR SPRING		STATUS	PREREQ	NOTES
ECE 4001	Contemporary Issues	1	Sr Standing	
ECE 4003	Design Project	3	ECE 4002/243/373	
ECE 453	Random Processes in ECE	4	MA 393	
	CPE Concentration Elective (3)	3		
	Free Elective (3)	3		
	Humanities/SS Elective (3)	3		
Total		17		