

## ELECTRICAL ENGINEERING - MA 134 14-15 EIGHT SEMESTER PLAN

### YEAR 1

FRESHMAN FALL		STATUS	PREREQ	NOTES
MA 134	Calculus I	4	ACT/SAT	
CH 104	General Chemistry I & Laboratory	4	MA 113	
ECE 103	Projects and Prototypes	3		
ENG 103	English Composition 1	3	ACT/SAT	
GE 101	Introduction to Engineering	1		
<b>Total</b>		<b>15</b>		

FRESHMAN SPRING		STATUS	PREREQ	NOTES
ENG 133	Technical Communication	3	ENG 103	
PH 224	University Physics 1 & Laboratory	4	MA 134	
CS 1113	Object-Oriented Java Programming	3	MA 113	
MA 164	Calculus 2	4	MA 134	
	Free Elective (3)	3		
<b>Total</b>		<b>17</b>		

### YEAR 2

SOPHOMORE FALL		STATUS	PREREQ	NOTES
MA 213	Calculus 3	3	MA 164	
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		
<b>Total</b>		<b>17</b>		

SOPHOMORE SPRING		STATUS	PREREQ	NOTES
MA 233	Differential Equations	3	MA 213	
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		
<b>Total</b>		<b>17</b>		

### YEAR 3

JUNIOR FALL		STATUS	PREREQ	NOTES
MA 393	Probability & Statistics	3	MA 213	
PH 234	University Physics 2 & Laboratory	4	MA 164/PH 224	
ECE 483/1	Instrument Systems & Laboratory	4	ECE 213	
	EE Concentration Elective (3)	3		
	Engineering Science Elective (3)	3		
<b>Total</b>		<b>17</b>		

JUNIOR SPRING		STATUS	PREREQ	NOTES
ECE 243	Analog Signals	3	ECE 213/263/MA 164	
ECE 303/1	Electrical Machines & Laboratory	4	ECE 213	
	EE Concentration Elective (3)	3		
	Engineering Science Elective (3)	3		
	Advanced Mathematics Elective (3)	3	Specific	
<b>Total</b>		<b>16</b>		

### YEAR 4

SENIOR FALL		STATUS	PREREQ	NOTES
GE 401	Professional Practice	1	Sr Standing	
ECE 4002	Project Management	2	Approval	
ECE 323	Dynamic Electromagnetic Fields	3	MA 233/PH 234	
	EE Concentration Elective (4)	4		
	Free Elective (3)	3		
	Humanities/SS Elective (3)	3		
<b>Total</b>		<b>16</b>		

SENIOR SPRING		STATUS	PREREQ	NOTES
ECE 4001	Contemporary Issues	1	Sr Standing	
ECE 4003	Design Project	3	ECE 4002/243/483	
ECE 453	Random Processes in ECE	4	MA 393	
	EE Concentration Elective (3)	3		
	Free Elective (3)	3		
	Humanities/SS Elective (3)	3		
<b>Total</b>		<b>17</b>		