

# Electrical Engineering

<b>FRESHMAN YEAR 1</b>					
<b>FALL</b>		CR	<b>SPRING</b>		CR
ENG101	Written Communications I	3	ENG102	Written Communications II	3
MAT151	Calculus I	4	MAT152	Calculus II	4
<b>ELN 101</b>	Intro Computing for ECE	3	HIS106	World Civilization II	3
PHY203	Intro. to Physics I	3	PHY204	Intro. to Physics II	3
PHY215	Intro. to Physics Lab I	1	PHY216	Intro. to Physics Lab II	1
EGR101	Intro. to Engineering	2	EGR102	Intro. Structured Programming	3
UNV101	Individual and Life	1			
	Total	17		Total	17
<b>SOPHOMORE YEAR 2</b>					
<b>FALL</b>		CR	<b>SPRING</b>		CR
MAT260	Diff. Equations	3	MAT 251	Calculus III	4
EGR213	Digital Electronics	3	MAT 208 (EGR 208)	Linear Algebra	3
EGR 218	Circuit Analysis I	3	ELN 302	Circuit Analysis II	3
EGR 220	Circuit Analysis I Lab ( <b>ECE Lab 1</b> )	2	ELN 310	Circuit Analysis Lab II	1
CHE201	General Chemistry I	4	COM103	Oral Communications	3
	Total	15		Total	14
<b>JUNIOR YEAR 3</b>					
<b>FALL</b>		CR	<b>SPRING</b>		CR
ELN303	Engineering Electronics I	3	ELN 306	Electromagnetic Waves	3
ELN311	Engineering Electronics Lab I	1	ELN412	Communication Theory	3
ELN307	Signals & Systems	3	ELN 313	Electro-Optical Communications Lab ( <b>ECE Lab 2</b> )	2
HEA200	Health Education	2	EGR 303	Engineering Materials	3
EGR 315	Engineering Economy	3	EGR 204	Engineering Ethics & Safety	3
MAT305	Probability & Statistics	3	HUM 201	Humanities	3
	Total	15		Total	17
<b>SENIOR YEAR 4</b>					
<b>FALL</b>		CR	<b>SPRING</b>		CR
ELN408	Intro. to Control Systems	3	ELNXXX	Technical Elective (social science elective deleted)	3
ELN409	Electrical Eng'g Design I	3	ELN413	Electrical Eng'g Design II	3
ELN411	Energy Conversion	3	ELNXXX	Technical Elective	3
ELN XXX	Technical Elective	3	ELNXXX	Technical Elective	3
ELN 433	Electromechanical & Controls Systems Lab ( <b>ECE Lab 3</b> )	1			
	Total	13		Total	12
<b>Total Hours</b>					<b>120</b>