

COMPUTER ENGINEERING CURRICULUM

FRESHMAN YEAR

Fall			Spring		
ENG 101	Written Communications I	3	ENG 102	Written Communications II	3
MAT 151	Calculus I	4	MAT 152	Calculus II	4
ELN 101	Intro to Computing for ECE	3	PHY 204	Intro to Physics II	3
PHY 203	Intro to Physics I	3	PHY 216	Intro to Physics Lab II	1
PHY 215	Intro to Physics Lab I	1	EGR 102	Intro to Structured Programming	3
EGR 101	Intro to Engineering	2	HIS 106	World Civilization	3
UNV 101	Individual & Life	1			
		17			17

SOPHOMORE YEAR

FALL			SPRING		
CSC 151	Computer Programming I	4	CSC 152	Computer Programming II	3
MAT 260	Differential Equations	3	ELN 215	Computer Architecture I	3
EGR 213	Digital Electronics	3	MAT 208	Linear Algebra	3
EGR 218	Circuit Analysis I	3	200-Level	Technical Elective	3
EGR 220	ECE Lab I	2	ELN 302	Circuit Analysis II	3
			ELN 302	Circuit Analysis II Lab	1
		15			16

JUNIOR YEAR

FALL			SPRING		
ELN 303	Engineering Electronics I	3	EGR 204	Engineering Ethics & Safety	3
ELN 311	Engineering Electronics Lab I	1	MAT 315	Discreet Structures	3
EGR 315	Engineering Economy	3	HEA 200	Health Education	2
MAT 305	Probability & Statistics	3	ELN 515	Microcontrollers & Embedded Sys	3
ELN 403	Digital Electronics Design	3	CHE 201	General Chemistry I	4
ELN 307	Signals & Systems	3			
		16			15

SENIOR YEAR

FALL			SPRING		
ELN 482	Electrical Engineering Design I	3	ELN 483	Electrical Engineering Design II	3
ELN	Technical Elective	3	ELN	Technical Elective	3
HUM 201	Humanities I	3	ELN	Technical Elective	3
COM 103	Oral Communications	3	ELECTIVE	Social Science Elective	3
		12			12

TOTAL CREDITS 120