

Plan of Study for a Bachelor of Science in Electrical Engineering
Total Credit Hours 128
Fall 2011

SEMESTER 1				CR	SEMESTER 2				CR		
MA	16700	Plane Analytic Geometry & Calculus	5	MA	16900	Plane Analytic Geometry & Calculus	5	MA	16900	Plane Analytic Geometry & Calculus	5
CHM	11500	General Chemistry	4	CHM	11600	General Chemistry	4	CHM	11600	General Chemistry	4
ENGL	10100	English Composition I	3	PHYS	15200	Mechanics	4	PHYS	15200	Mechanics	4
ENGR	17100	Engineering Fundamentals I	5	ENGR	18100	Engineering Fundamentals II	5	ENGR	18100	Engineering Fundamentals II	5
				CREDIT HOURS	17					CREDIT HOURS	18
SEMESTER 3				CR	SEMESTER 4				CR		
ECE	20100	Linear Circuit Analysis I	3	ECE	20200	Linear Circuit Analysis II	3	ECE	20200	Linear Circuit Analysis II	3
ECE	20700	Electronic Measurement Techniques	1	ECE	25500	Intro to Electronics Analysis & Design	3	ECE	25500	Intro to Electronics Analysis & Design	3
ME	27000	Basic Mechanics I	3	ECE	20800	Electronic Design & Devices Lab	1	ECE	20800	Electronic Design & Devices Lab	1
PHYS	26100	Electricity and Optics	4	ECE	27000	Intro to Digital System Design	4	ECE	27000	Intro to Digital System Design	4
MA	26100	Multivariate Calculus	4	MA	26200	Linear Algebra & Differential Equations	4	MA	26200	Linear Algebra & Differential Equations	4
PHIL	11100	Ethics	3			Humanities/Social Science Elective	3			Humanities/Social Science Elective	3
				CREDIT HOURS	18					CREDIT HOURS	18
SEMESTER 5				CR	SEMESTER 6				CR		
ECE	26400	Advanced C Programming	2	ECE	31100	Electric and Magnetic Fields	3	ECE	31100	Electric and Magnetic Fields	3
ECE	30100	Signals and Systems	3	ECE	38200	Feedback System Analysis & Design	3	ECE	38200	Feedback System Analysis & Design	3
ECE	32100	Electromechanical Motion Devices	3	ECE	30800	Systems Simulation and Control Lab	1	ECE	30800	Systems Simulation and Control Lab	1
ECE	32300	Electro. Motion Devices Lab	1	ECE	36200	Microprocessor Systems & Interfacing	3	ECE	36200	Microprocessor Systems & Interfacing	3
ENGR	45000	Engineering Analysis	3			Humanities/Social Science Elective	3			Humanities/Social Science Elective	3
		Humanities/Social Science Elective	3					CREDIT HOURS	13		
				CREDIT HOURS	15					CREDIT HOURS	13
SEMESTER 7				CR	SEMESTER 8				CR		
ECE	30200	Prob. Methods Electrical Engineering	3	ECE	43800	Digital Signal Processing	4	ECE	43800	Digital Signal Processing	4
ECE	40200	EE Design Projects	3	ENGR	46100	Engineering Design Experience	3	ENGR	46100	Engineering Design Experience	3
ECE	44000	Transmission of Information	4			ENGR Elective	3			ENGR Elective	3
		ENGR Elective	3			Humanities/Social Science Elective	3			Humanities/Social Science Elective	3
		Humanities/Social Science Elective	3					CREDIT HOURS	13		
				CREDIT HOURS	16					CREDIT HOURS	13