

Study Plan for the Engineering Diploma in Communication & Networks

First Semester			Second Semester		
Course#	Course Name	CR	Course#	Course Name	CR
MATH202	Calculus III	3	MATH332	Linear Algebra	3
MATH222	Discrete Math	3	MATH342	Differential Equations	3
PHY205	Electromagnetics and Optics	3	PHY203	Mechanics	3
CSC203	Programming	3	ELEC223	Digital Fundamentals	3
	UR1	3		UR2	3
			ELEC223L	Digital Lab	1
		Total		Total	16
		15			
Third Semester			Fourth Semester		
Course#	Course Name	CR	Course#	Course Name	CR
MATH203	Calculus IV	3	MATH442	Numerical Methods	3
MATH352	Probability & Statistics	3	PHY211	Material Sciences	3
ELEC221	Electric Circuits	3	ELEC290	Circuits 2	3
PHY223	Thermodynamics	3	CSC243	Data Structures	3
	UR3	3		UR4	3
ELEC221L	Circuits Lab	1	PHY200L	Physics Lab	1
		Total		Total	16
		16			
Fifth Semester			Sixth Semester		
Course#	Course Name	CR	Course#	Course Name	CR
ELEC330	Electronics I	3	ENG499	Internship	3
ELEC440	Microprocessors	3	CSC426	Software Engineering	3
CNE340	Signals and Systems	3	ELEC370	Electric Power and Machines	3
IT381	Object Oriented Programming	3	CNE311	Electromagnetic Fields & Waves	3
	UR5	3	ELEC440L	Microcontrollers LAB	3
ELEC330L	Electronics Lab	1			
		Total		Total	15
		16			
Seventh Semester			Eighth Semester		
Course#	Course Name	CR	Course#	Course Name	CR
ELEC421	Electronics II	3	CNE470	Wireless Communication Systems	3
CNE420	Analog Communication Systems	3		CNE Major Elective	3
CNE443	Antennas	3			
ETH303	Engineering Ethics	3		Humanities Elective	3
	Free Elective	3		Free Elective	3
CNE420L	Communication Lab I	2	CNE421L	Communication Lab II	2
		Total		Total	14
		17			
Ninth Semester			Tenth Semester		
Course#	Course Name	CR	Course#	Course Name	CR
FYP595	Final Year Project	3	FYP596	Final Year Project	3
CNE460	Optical Communication Systems	3		Humanities Elective	3
	LAB Elective	1		Free Elective	3
	Humanities Elective	3		CNE Major Elective	3
	Free Elective	3			
		Total		Total	12
		13			