

Study Plan for BS in Electronics & Computer Engineering

First Semester			SECOND SEMESTER		
Course#	Course Name	CR	Course#	Course Name	CR
ELEC221	Electric Circuits I	3	ELEC223	Digital Fundamentals	3
MATH222	Discrete Math	3	MATH332	Linear Algebra	3
MATH202	Calculus & Analytic Geometry	3	MATH342	Ordinary Differential Equations	3
PHY205	General Physics II: Electromagnetics and Optics	3	PHY203	General Physics I: Mechanics	3
CSC203	Programming Structure & abstractions	3	CSC243	Data Structures	3
	University Requirement	3		University Requirement	3
			ELEC221L	Electric Circuits I Lab	1
		18		Total	19
THIRD Semester			FOURTH Semester		
Course#	Course Name	CR	Course#	Course Name	CR
MATH 203	Calculus IV	3	MATH442	Numerical Methods	3
MATH352	Probability & Statistics	3	PHY211	Material Science	3
IT381	Object-Oriented Programming	3	ELEC330	Electronics I	3
PHY223	Thermodynamics and Modern Physics	3	CSC311	Introduction to Operating Systems	3
CNE340	Signals and Systems	3		University Requirement	3
	Free Elective	3		ELEC Major Elective	3
ELEC223L	Digital Fundamentals Lab	1	ELEC330L	Electronics I Laboratory	1
	Total	19		Total	19
FIFTH Semester			SIXTH Semester		
Course#	Course Name	CR	Course#	Course Name	CR
ELEC421	Electronics II	3	ENG499	Special Project/internship	3
CSC426	Software Engineering I	3	ELEC440L	Microcomputers Lab	3
ELEC 440	Microcomputers Design	3		ELEC Major Electives	3
	University Requirement	3		University Requirement	3
	ELEC Major Elective	3		Free Electives	3
	Total	15		Total	15