

Study Plan for Communication and Computer Department					
Year 1 – Semester 1 (16 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
806119	Ethics and social responsibility	3	3		
802101	English Language Skills(1)	3	3		
S53101	Differentiation and Integration (1)	3	3		
S72111	General Chemistry (1)	3	3		
S71112	General Physics (1)	3	3		
S71113	General Physics Laboratory	1		1	General Physics (1)
Year 1 – Semester 2 (15 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
811111	Language skills of expression and communication	3	3		
S71111	Programming Language (1) For engineering students	3	3		
S53102	Differentiation and Integration (2)	3	3		Differentiation and Integration (1)
S70111	Introduction to engineering	2	2		
S70112	Workshop work engineering	1		1	
S53241	Linear Algebra (1)	3	3		Differentiation and Integration (1)
Year 2 – Semester 1 (16 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
806110	Military science	3	3		
CCE221	Programming for engineers	3	3		Programming (1) for engineering students
806 113	Water, environment and energy	3	3		
811110	Skills in the Arabic language	3	3		
CCE321	Electrical circuits (1)	3	3		General Physics(1)
CCE322	Electrical Circuits Lab	1		1	
Year 2 – Semester 2 (15 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
S70212	Engineering economics	2	2		Differentiation and Integration (1)
CCE324	Electronics (1)	3	3		Electrical Circuits (1)
CCE421	Computer organization and design	3	3		Introduction to Communication and Computer Engineering
CCE332	Electronics Lab	1		1	Electrical Circuits (1)
806110	Military science	3	3		
CCE431	Object-oriented programming - for engineering students	2	2		Programming for engineers
CCE432	Object-Oriented Programming Lab - for engineering students	1		1	Programming for engineers
Year 3 – Semester 1 (16 Credit Hours)					

Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE311	Data structures and algorithms	3	3		Object-oriented programming - for engineering students
CCE323	Electrical circuits (2)	3	3		Electrical Circuits (1)
CCE331	Electronics (2)	3	3		Electronics(1)
CCE422	Computer Organization and Design Lab	1		1	Computer organization and design
851109	The electronic world and the Internet	3	3		
CVE217	Statistics and engineering probabilities	3	3		Calculus(2)
Year 3 – Semester 2 (17 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE214	Professional and ethical issues in engineering	2	2		Engineering mathematics
S70311	Engineering mathematics	3	3		Calculus(2)
CVE216	Numerical analysis for engineering students	3	3		Calculus(2)
CCE341	Computer architecture	3	3		Computer architecture, data structures and algorithms
S51471	Operating Systems	3	3		Digital logic design for engineering students, computer organization and design
CCE333	Signals and systems	3	3		Electronics (2), statistics and probabilities
Year 4 – Semester 1 (16 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE431	Digital logic design for engineering students	3	3		Calculus(1)
CCE432	A digital logic design lab for engineering students	1		1	Digital logic design for engineering students
CCE343	Electromagnetism	3	3		Electronics(1)
CCE442	Microprocessor	3	3		Computer organization and design
CCE445	computer networks	3	3		Computer organization and design
CCE433	Analogue communications	3	3		Signals and systems
S70211	Communication and report writing skills Technical engineering students	1	1		
Year 4 – Semester 2 (15 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE434	Digital communication	3	3		Analogue communications
CCE435	Digital and Analogue Communication Lab	1		1	Digital logic design for engineering students
CCE443	Embedded systems	3	3		Microprocessor
CCE444	Embedded Systems & Microprocessor Lab	1		1	Microprocessor

CCE441	Digital electronics	3	3		Electronics(1)
CCE446	Wireless computer networks	3	3		computer networks
Year 4 – Semester 3 (3 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE571	Training (Communication and Computer Engineering)	3		280 hours	After 130 credit hours
Year 5 – Semester 1 (15 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
806111	Islam and contemporary issues	3	3		
813104	Writing skills in the English language	3	3	1	
CCE564	Mobile communication systems	3	3		computer networks
CCE565	Modern communication systems	3	3	1	Computer architecture
	Free article	2	2		
CCE561	Graduation Project-1 (Communication and Computer Engineering)	1	1		
Year 5 – Semester 2 (15 Credit Hours)					
Course Code	Course Name	Credit	Lec	Lab/Tot	Prerequisite
CCE542	Digital signal processing	3	3		Digital communication
CCE543	Wireless communication networks and protocols	3	3	1	Digital communication
CCE553	Computer and Network Security -Engineering students	3	3		Computer networking protocols
CCE563	Software applications in cellular communications	3	3	1	Object-oriented programming - for engineering students, wireless communication networks and protocols
CCE562	Graduation Project- 2 (Communication and Computer Engineering)	3	3		Graduation Project-1 (Communication and Computer Engineering)