



Department of Computer Networks and Communications

Study Plan for Bachelor Degree in Computer Networks and Communications (Curriculum 2013)



Acad. Year	First Trimester						Second Trimester						Third Trimester					
	Course Code	Course Name	Pre-req	Hours			Course Code	Course Name	Pre-req	Hours			Course Code	Course Name	Pre-req	Hours		
				Cr	Th	Pr				Cr	Th	Pr				Cr	Th	Pr
1	0911110	Introduction to Computing	-----	3	4.5	2.25	0816152	Biology	-----	4	4.5	3	0814132	Physics	-----	4	4.5	3
	0912111	Fundamentals of IS	-----	3	4.5	0	0817208	Intro. To Statistics & Probability Theory	0817111	3	4.5	0	1900101	Creed and Doctrines	-----	2	3	0
	0817111	Calculus	-----	3	4.5	0	0911120	Fund. of Programming	0911110	3	4.5	2.25	1900102	Islamic Culture	-----	2	3	0
	<b>Total</b>			9	13.5	2.25	<b>Total</b>			10	13.5	5.25	<b>Total</b>			11	15	3
2	0913121	Electronics	0814132	4	4.5	2.25	0913213	Digital Hardware	0913121	3	4.5	2.25	0622290	Business (1)	0912111	3	4.5	0
	0911211	Data Structure	0911120	2	4.5	2.25	0912222	Database Concepts & Design	0912111	3	4.5	2.25	0911221	Operating Systems	0913213	3	4.5	2.25
	0914214	Com. & Network Fund.	0911110	3	4.5	2.25	0911210	Object Oriented Prog. (1)	0911120	3	4.5	2.25	0914223	Net. Protocols & E-Commerce Technology	0914214	3	4.5	2.25
	<b>Total</b>			9	13.5	6.25	<b>Total</b>			9	13.5	6.25	<b>Total</b>			9	13.5	4.5
3	0911220	Object Oriented Prog. (2)	0911210	3	4.5	2.25	0912212	Technical Reports	0912111	2	3	0	0912312	Professional Responsibility	0912212	2	3	0
	0914310	Mathematical Foundations of Computer Networking	0817301	3	4.5	0	0914320	Computer System Security	0911221	3	4.5	0	0914313	System Administration	0911221	3	4.5	2.25
	0914311	Introduction to Routing and Switching	0914223	3	4.5	2.25	0914321	Mobile and Wireless Networks	0914311	3	4.5	2.25	0914324	Network Simulation and Modeling	0914310	3	4.5	2.25
	0914314	Telecommunication Networks	0914223	3	4.5	0	0914323	Introduction to Network Programming	0911110	3	4.5	2.25	0914322	Distributed Operating System	0911221	3	4.5	0
<b>Total</b>			12	18	4.5	<b>Total</b>			11	16.5	4.5	<b>Total</b>			11	16.5	4.5	
Summer Semester																		
Course Code		Course Name				Credit Hours		Pre-Requisite										
0914330		Practical (Co-op) Training				3		"Department Approval and Finish 85 Credit Hours "										
4	0914410	Project Proposal	Dept. Approval	2	-	-	0914411	Ad-hoc and Sensor Networks	0914321	3	4.5	2.25	0914420	Project Implementation	0911410	3	-	-
	7401---	University Elective 1	-----	2	3	0	0914412	Network Design	0914323	3	4.5	0	0914421	Selected Topics in CN	0911410	3	4.5	0
							0914---	Program Elective 1	?	3	4.5	?	0914---	Program Elective 2	?	3	4.5	?
							7401---	University Elective 2	-----	2	3	0	0914---	Program Elective 3	?	3	4.5	?
	<b>Total</b>			4	3	0	<b>Total</b>			11	16.5	2.25	<b>Total</b>			12	13.5	0

Elective Courses	Program Elective Courses (3 Courses of 9 Credit Hours Total)						University Elective Courses ( 2 Courses of 4 Credit Hours Total)			
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name	Hours	
				Cr	Th	Pr			Cr	Th
	0914413	High Speed Networks	0914223	3	4.5	0	7401317	Islamic Morality and Professional Ethics	2	3
						7401318	Economic System in Islam	2	3	
0914414	Optical Networks	0914314	3	4.5	0	7401401	Social System in Islam	2	3	
						7401418	Political system and human rights in Islam	2	3	
0914415	Multimedia Networks and Applications	0914214	3	4.5	2.25	7401302	Islam and issues of science and technology	2	3	
						7401102	Jurisprudence of Biography	2	3	
0914416	Intrusion Detection and Forensics	0914320	3	4.5	0					
0914422	Networks Forensics and Security	0914320	3	4.5	0					
0914423	Wireless Sensor Networks	0914321	3	4.5	2.25					
0914424	WiMax Networks	0914321	3	4.5	2.25					
0914425	Advanced Routing	0914311	3	4.5	2.25					