



Department of Computer Networks and Communications

Study Plan for Bachelor Degree in Computer Networks and Communications (Curriculum 2019)



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	0827111	Calculus	----	3	4.5	0	0826152	Biology	----	3	4.5	0	1900101	Creed and Doctrines	----	2	3	0
	0921110	Introduction to Computing	----	4	4.5	4.5	0827121	Probability and Statistics	0827111	3	4.5	0	0603103	Business and Accounting	1722111	3	4.5	0
	1722111	Academic English	----	3	4.5	0	0921120	Fundamentals of Programming	0921110	4	4.5	4.5	0814132	Physics	----	4	4.5	3
	Total			10	13.5	4.5	Total			10	13.5	4.5	Total			12	16.5	3
2	1900???	University Elective(1)	----	2	3	0	0922222	Database Concepts and Design	0921211	4	4.5	4.5	1900102	Islamic Culture	----	2	3	0
	0921211	Data Structure and Algorithms	0921120 0827122	4	4.5	4.5	0923223	Digital Logic and Design	0814132	4	4.5	4.5	0924220	Concepts of Software Developments	0921120 0603103	3	4.5	0
	0924214	Fundamentals of Computer Networks	0921110	4	4.5	4.5	0921210	Object Oriented Programming(1)	0921120	4	4.5	4.5	0924221	Fundamentals of Routing and Switching	0924214	4	4.5	4.5
	Total			10	12	9	Total			12	13.5	13.5	Total			12	16.5	4.5
3	0922312	Technical Reports	1722111	3	4.5	0	0924324	Fundamentals of Network Programming	0921210	4	4.5	4.5	0922322	Professional Responsibility	0922312 0826152	3	4.5	0
	0923313	Computer Organization and Architecture	0923223	4	4.5	4.5	0924312	Mobile and Wireless Networks	0924214	3	4.5	0	0924323	Network Simulation	0924310 0924311	4	4.5	4.5
	0921314	Fundamentals of Web Programming	0921210 0922222	4	4.5	4.5	0921320	Computer Security	0924214	3	4.5	0	0924413	System Administration	0921321	4	4.5	4.5
	0924311	Network Modeling and Design	0924220 0924221	3	4.5	0	0921321	Operating Systems	0923313	4	4.5	4.5	Total			11	13.5	9
Summer Semester																		
Course Code		Course Name		Credit Hours		Pre-Requisite												
0924330		Practical (Co-op) Training		3		"Department Approval and Finish 95 Credit Hours "												
4	0924410	Project Proposal	Dept. Approval	2	---	---	0924412	Network Security	0921320	4	4.5	4.5	0924421	Selected Topics in Computer Networks	0924410	3	4.5	0
	1900???	University Elective(2)	----	2	3	0	092?4??	Program Elective(1)	?	3	4.5	0	092?4??	Program Elective(2)	?	3	4.5	0
	Total			4	3	0	0924411	Distributed Systems	0921321	3	4.5	0	092?4??	Program Elective(3)	?	3	4.5	0
	Total			4	3	0	Total			10	13.5	4.5	Total			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			Cr	Th	
	0924414	High Speed Networks	0924221	3	4.5	1900103	Islamic Morals and Occupational Ethics	2	3	
1900104						Studies in the Prophet's Biography	2	3		
0924415	Multimedia Networks and Applications	0924214	3	4.5	1900105	Medical Jurisprudence	2	3		
					1900106	Economy and Politics in Islam	2	3		
0924416	Telecommunication Networks	0924214	3	4.5	1900107	Social System and Family Behavior	2	3		
					0602233	Fundamentals of Entrepreneurship	2	3		
0924422	Network Forensics	0924412	3	4.5	1900109	Health and Fitness	2	3		
					1900110	Research Skills	2	3		
0924423	Adhoc and Sensor Networks	0924312	3	4.5	1900111	Voluntary Work	2	3		
					1900112	Medicine: Type and Usage	2	3		
0924424	Advanced Routing	0924221	3	4.5	1900113	Human Rights in Islam	2	3		
					1900114	Food and Nutrition	2	3		