

Study Plan For Networks Department

		Semester 1, Year 1			Semester 2, Year 1			
first Year	Course#	Course Title	Pre-Req.	Cr.	Course #	Course Title	Pre-Req.	Cr.
	GI111	Programming I	----	3	GI121	Programming II	GI111	3
	GI112	IT Foundations	----	3	GI122	Digital and Logic Design	GI112	3
	GS111	Math I	----	3	GS121	Math II	GS111	3
	GS112	Intro to Statistics & Probability	----	3	GI123	Discrete Mathematics	GS111	3
	GS113	General Physics	----	3	GH121	English Language II	GH111	2
	GH111	English Language I	----	2	SE121	Software Engineering	GI112	3
	GH112	Arabic Language	----	2				
	Total =	19			Total =	17		
		Semester 1, Year 2			Semester 2, Year 2			
second year	Course#	Course Title	Pre-Req.	Cr.	Course #	Course Title	Pre-Req.	Cr.
	GI211	Data Structures and Algorithms	GI121	3	GI221	Object Oriented Programming	GI121	3
	GI212	Database Systems	GI123	3	GI222	Security Principles and Practieces	IN211	3
	GS211	Linear Algebra	GS121	3	GI223	Operating systems	GI213	3
	GI213	Computer Architecture	GI122	3	GS221	Numerical Analysis	GS121	3
	IN211	Internet Technologies	GI112	3	CN221	Prenciples of Communication Systems	GS113	3
	CN211	Intro to Computer Networks	GI112	3	CN222	Advanced Computer Networks	CN211	3
	Total =	18			Total =	18		
		Semester 1, Year 3			Semester 2, Year 3			
third year	Course #	Course Title	Pre-Req.	Cr.	Course #	Course Title	Pre-Req.	Cr.
	GI311	Information systems	SE121	3	GH321	Research Methodology	.....	3
	GI312	Artificial Intelligence	GI211	3	GI321	Project Management	.....	3
	CN311	Network Programming	CN222, GI221	3	CN321	Wireless Ad-hoc and Sensor Networks	CN312	3
	CN312	Wireless Networks	CN221&CN222	3	CN322	Network Modeling and Simulation	CN222 CN312	3
	CN313	Network Operating Systems	GI223	3	CN323	Network Lab	CN312	1
	CN314	Network Security	GI222 & CN222	4	CS321	Distributed Systems	GI212	3
Total =	19			Total =	16			
		Semester 1, Year 4			Semester 2, Year 4			
forth year	Course #	Course Title	Pre-Req.	Cr.	Course #	Course Title	Pre-Req.	Cr.
	CN411	Network Perfomance Analyses and Evaluation	CN322	3	CN421	Network Planning and Deployment	CN412	3
	CN412	Network Management	CN 313	4	.....	Elective Course II	.....	3
	CN413	Converged Networks	CN321	3	.....	Elective Course II	.....	3
	.....	Elective Course I	.....	3	CN429	Graduation Project	107 Credits	4
	GI411	Group Project	Pass 99 units	3				
Total =	16			Total =	15			
Total Number of Credits Achieved =				138	Credits			
Total dept. credits =				75	Credits			
Total external credits =				63	Credits			