



		Third Year																Four																	
Units VS. Courses	National Education	History of Jordan and Palestine	Jerusalem: History and Civilization	Scientific Culture	Principles of Astronomy	Computer Networks	Database Systems	design & Analysis of Algorithms	System Analysis	Network and Information Systems	data mining and warehousing	Computer Information Systems	Software System Requirements	Operations Research	special programming languages	Software Project Management	Advanced Systems Analysis	Decision Support Systems	Multimedia Fundamentals	Geographical Information Systems	Project 1	Web (1) Lab	Distributed Database	Network Administration	Wireless Networks	Operating Systems	Database Administration	Information Retrieval	Internship for CIS	Database Languages and project 2	web programming 2	Human Computer Interaction			
Knowledge and understanding																																			
Mathematics and Physics																																			
Mathematical and computational methods appropriate to the course								X														X													
Practical physics																																			
Skills																																			
Computer architecture and organization.												X																							
Processor architecture.																																			
Digital electronics and logic design.																																			
Other																																			
Programming languages.						X	X							X	X								X											X	
Software tools and packages.							X			X	X		X						X	X	X						X	X	X	X	X	X	X	X	
Computer applications.											X	X										X	X												
Acquisition of data and information.						X			X	X		X		X								X	X									X			

th Year

Artificial Intelligence	Special Topics in Informati	Emerging Topics in IT	Smart Phone Programmin	Computer Assisted Learnin
				X
	X			X
	X			X
				X

					X
X	X				
X	X				
X	X				
X	X				
	X				
					X
	X				
X	X				X
					X
					X
X	X				

x		x	x	
x	x	x	x	x
	x			x
x	x	x	x	x
x				
x	x	x	x	x