

Zarqa University
Skills Matrix
CIS Department



متطلب تخصص اختياري
متطلب تخصص اجباري
المتطلبات المساندة



متطلب جامعة اجباري
متطلب كلية اجباري
متطلب جامعة اختياري

Skills VS. Courses	First Year														Second Year										Skill						
	Military Sciences	Arabic Language 1	English language1	The ethics of university stu	principles of Education	Fundamentals of Public He	Arabic Language 2	principles of low	principles of Communicatio	principles of Environmenta	First Aid	Islamic Culture and Conter	Computer Programming (1)	Computer Programming (2)	Discrete Mathematics	Introduction to Software E	Data Structures	Web Programming (1)	Research Methodology an	Programming (1) Lab	Programming (2) Lab	Digital Image Processing	Selected Programming La	advanced Programming		Electronic Business	Digital Logic Design	Calculus (1)	Statistics and Probabilities	Linear Algebra 1	
A. Knowledge and understanding of:																															A. Know
Mathematics and Physics																															Mathem
A1. Mathematical and statistical methods appropriate to CS.				X								X	X	X															X	statistical to CS.	
A2. Essential physics principles.																														Essen principles	
Hardware																														Hardwa	
A3. Computer architecture and construction.																														A3. Con and cons	
A4. Processor architecture.																														A4. Proc	
A5. Basic electronics and logic design.																														A5. Basi	
Software																														Softwar	
A6. Programming languages.																								X		X	X			A6. Prog	
A7. Software tools and packages.																									X	X		X		A7. Soft	
A8. Computer applications.																														A8. Con	
A9. Structuring of data and information.																X	X		X	X	X			X			X			A9. Stru	

General transferable students will be able																												
actively communicate both orally						X	X					X	X															
work effectively as part of a team.						X	X			X	X					X				X							X	
effective use of general IT facilities.							X						X			X	X			X								X
work independently and continue							X			X	X	X									X					X		X
communicate and logical argument							X													X							X	X
apply scientific in the solution of							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