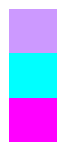


Zarqa University
Skills Matrix
Computer Science Department



متطلب تخصص اختياري
متطلب تخصص اجباري
المتطلبات المساندة



متطلب جامعة اجباري
متطلب كلية اجباري
متطلب جامعة اختياري

Skills VS. Courses	First Year										Second Year										Third Year								
	Islamic Culture	National Education	English Language 1	Elective university Course	Computer Programming 1	Programming Lab. 1	Computer Programming 2	Programming Lab. 2	Web Programming (1)	Web Lab. 1	Calculus 1	Digital Logic Design	Arabic Language 1	Elective university Course	Selected Programming Language	Discrete Mathematics	Introduction to Software Engineering	Computer Organization and Architecture	Data Structures	Computer Networks	Design and Analysis of Algorithms	Department Elective course	Statistics and Probabilities	Advanced Programming	Database Systems	Distributed Systems and Cloud Computing	Linear Algebra 1	Numerical Analysis	Systems Analysis
ethical issues related to work.	x	x		x								x	x												x				x
D. General transferable skills – students will be able to:																													
D1. Effectively communicate both orally and in writing using appropriate tools.			x	x								x													x				
D2. Work effectively as part of a team.																								x	x	x			x
D3. Effective use of general IT facilities.																				x		x		x	x	x			x
D4. Do independent learning and continue professional development.					x	x	x	x	x	x				x						x		x		x	x	x			x
D5. Communicate and present logical argument related to computing.															x														
D6. Employ scientific methods in the solution of problems.					x	x	x	x	x	x				x		x				x	x	x		x	x	x			x

Year		Fourth Year												
Artificial Intelligence	Theory of Computation	Research Methodology and Ethics	Elective university Course	Elective department Course	Project in Computer Science	Internship for CS	Network and Information Security	Operating Systems	Wireless Networks	Machine Learning	Military Sciences	Database Administration	Compilers Construction	Elective department Course
		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