



## Guidance Plan for the Computer Science 2011 / 2012

Year	Semester	Module Number	Module Title	Prerequisites	Type of Requirements
First	First (18 Credit Hours)	0110101	Arabic Language Skills (1)	-----	(UR)
		0130101	English Language Skills (1)	-----	(UR)
		----	University Elective (1)	-----	(UR)
		0750113	Programming Fundamentals (1)	-----	(FR)
		0250101	Differentiation and integration (1)	-----	(SR)
		0731110	Introduction to Information Systems and Technology	-----	(FR)
	Second (18 Credit Hours)	0111101	National Education	-----	(UR)
		----	University Elective (2)	-----	(UR)
		0750114	Programming Fundamentals (2)	0750113	(FR)
		0250104	Discrete Structures	----	(SR)
		0721110	Introduction to Software Engineering	0750113+0731110	(SR)
		0750231	Logic Circuits Design	-----	(DR)
Second	First (18 Credit Hours)	0721240	Computing Ethics	0731110	(FR)
		0721220	Object-Oriented Programming	0750114	(FR)
		0731213	Introduction to Web Programming	0750114	(FR)
		0250231	Introduction to Statistics and Probabilities	---	(SR)
		0750223	Theory of Computation	0250104	(DR)
		0750272	Numerical Analysis	0250101+0750114	(DR)
	Second (18 Credit Hours)	0721221	Object Oriented Data Structures	0721220+0250104	(SR)
		0761235	Database Fundamentals	0721220	(SR)
		0750233	Computer Organization and Design	0750231	(DR)
		0130102	English Language Skills (2)	0130101	(FR)
		0761220	Visual Programming	0721220	(FR)
		-----	University Elective (3)	----	(UR)
Third	First (15 Credit Hours)	0731321	Systems Analysis and Design	0721110	(SR)
		0750321	Concepts of programming languages	0721221	(DR)
		0750322	Design and Analysis of Algorithms	0750272+0721221	(DR)
		0750332	Computer Architecture	0731110+0750233	(DR)
		----	University Elective (4)	----	(UR)
	Second (15 Credit Hours)	0750350	Intelligent Systems	0721221+0250231	(DR)
		0761340	Fundamentals of Computer Networks	0721221	(SR)
		0750333	Principles of Operating Systems	0750332	(DR)
		0750399	Practical Training	90h	(DR)
		0750362	Database applications programming	0761235	(DR)
		0750324	Compiler construction	0750223	(DR)
Fourth	First (13Credit Hours)	0750434	Advanced Operating Systems	0750333	(DR)
		0750472	Modelling and Simulation	0750272	(DR)
		0750497	Research Project 1	90h	(DR)
		----	Department Elective (1)	--	(DR)
		----	University Elective (5)	--	(UR)
	Second (17 Credit Hours)	0750413	Concurrent and Distributed Programming	0761220	(DR)
		0761441	Wireless and Mobile Computing	0761340	(SR)
		0111100	Military Sciences(Or UE Non- Jordanians Students)	----	(UR)
		----	Department Elective (2)	----	(DR)
		0750444	Information and Computer Networks Security	0761340	(DR)
		0750498	Research project 2	0750497	(DR)

(UR) University Req.

(FR) Faculty Req.

(DR) Dept. Req.

(SR) Supporting Req.

Date: 01/04/2011