



**Software Engineering Department**  
**Guidance Plan**  
**(132 Credit Hours)**  
**(2011 - 2012)**

Year	Semester	Module Number	Module Title	Prerequisite	Types of Requirements	
First	First (18 Credit Hours)	0110101	Arabic Language Skills (1)	----	UR	
		0130101	English Language Skills (1)	----	UR	
---		UE (1)	----	UR		
0750113		Programming Fundamentals (1)	----	FR		
0731110		Introduction to Systems and Information Technology	----	FR		
		0250101	Differentiation and Integration (1)	----	SR	
Second	Second (18 Credit Hours)	0130102	English Language Skills (2)	0130101	FR	
		0111101	National Education	----	UR	
		----	UE(2)	----	UR	
		0750114	Programming Fundamentals (2)	0750113	FR	
		0721110	Introduction to Software Engineering	0750113+ 0731110	DR	
		0250104	Discrete Structures	----	SR	
Second	First (18 Credit Hours)	0721220	Object Oriented Programming	0750114	FR	
		0721230	Software Requirements	0721110	DR	
		0250231	Introduction to Statistics and Probabilities	----	SR	
		0750231	Design Of Logic Circuits	0731110	SR	
		0731213	Introduction to World Wide Web Programming	0750114	FR	
			----	UE(3)	UR	
	Second (18 Credit Hours)	0721222	Software Modelling	0721110	DR	
		0721221	Object Oriented Data Structures	0721220 + 0250104	DR	
		0750272	Numerical Analysis	0250101+0750114	SR	
		0761220	Visual Programming	0721220	FR	
0761235		Database Fundamentals	0721220	SR		
		0721240	Computing Ethics	0731110	FR	
Third	First (18 Credit Hours)	0721320	Software Architecture	0721222	DR	
		0721330	Software production	0721222	DR	
		0750332	Computer Architecture	0750231	SR	
		0761340	Fundamentals of Computer Networks	0721221	SR	
		0750322	Design and Analysis of Algorithms	0721221+0250231	SR	
			----	UE(4)	UR	
	Second (15 Credit Hours)	0721322	Software Analysis And Design	0721230 + 0721320	DR	
		0721331	Software Project Management	0721330	DR	
		0721324	Advanced Object Oriented Programming	0721220	DR	
		0750333	Principles of Operating Systems	0750332	SR	
----		UE(5)	----	UR		
Fourth	First (13 Credit Hours)	0721420	Software Construction and Development	0721322+0721324(متزامن)	DR	
		0721430	Software Testing	0721322	DR	
		----	DE(1)	----	DR	
		0721438	Practical Training	Dept.Agree+90	DR	
		0721423	Graphical User Interface Design	hours+0750099	DR	
			0721448	Research Project(1)	761220+0721320	DR
			----	Dept.Agree +90 hours	----	
	Second (14 Credit Hours)	0721421	Software Re-Engineering	0721420	DR	
		0721422	Web Software Engineering	0721420+0731213	DR	
		0721449	Research Project(2)	0721448	DR	
----		DE(2)	----	DR		
0111100		Military Sciences(Or UE Non- Jordanians Students)	----	UR		

(UR) University Req.  
(DR) Dept. Req.

(UE) University Elective  
(DE) Department Elective

(FR) Faculty Req.  
(SR) Supplementary Req.