



Software Engineering Department
Guidance Plan
(132 Credit Hours)
2018-2019

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 (18 Credit Hours)	0130102	English Language Skills (2)	0130101	UR
		0111101	National Education	----	UR
		0770110	Introduction to internet and web technology	----	FR
		0750114	Programming Fundamentals (2)	0750113	FR
0721111		Software Engineering Fundamentals	0731110	DR	
0750120	Discrete Mathematics	0750099	SR		
Second	First (18 Credit Hours)	0721223	Object Oriented Programming	0750114	FR
		0721230	Software Requirements	0721111	DR
		0250231	Introduction to Statistics and Probabilities	----	SR
		0750230	Digital Logic Design	0731110	SR
		0731213	Introduction to World Wide Web Programming	0750114	FR
	0250241	Linear Algebra(1)	0250101	UR	
	Second (18 Credit Hours)	0721222	Software Modelling	0721111	DR
		0721224	Data Structures	0721223	DR
		0750272	Numerical Analysis	0750114	SR
		0750215	Visual Programming	0721223	FR
0731221		Database Fundamentals	0721223	SR	
0721240	Computing Ethics	0731110	FR		
Third	First (18 Credit Hours)	0721320	Software Architecture	0721222	DR
		0721330	Software production	0721222	DR
		0721350	Computer Organization and Architecture	0750230	DR
		0731340	Fundamentals of Computer Networks	0721224	SR
		0750323	Algorithms	0721224	SR
	----	UE(2)	----	UR	
	Second (15 Credit Hours)	0721322	Software Analysis And Design	0721230	DR
		0721331	Software Project Management	0721330	DR
		0721351	Data Base Management	0731221	DR
		0750335	Operating Systems	0721350	DR
----		UE(3)	----	UR	
Fourth	First (13 Credit Hours)	0721424	Software Development and Documentation	0721322	DR
		721433	Software Testing	0721322	DR
		----	DE(1)	----	DR
		0721438	Practical Training	90 hours	DR
		0721448	Research Project(1)	90 hours	DR
	----		----	UR	
	Second (14 Credit Hours)	----	DE(2)		DR
		0721449	Research Project(2)	0721448	DR
		----	DE(3)	----	DR
		0111100	Military Sciences(Or UE Non- Jordanians Students)	----	UR
----		UE(4)	----	UR	

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

(UE) University Elective
(DE) Department Elective

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