



Computer Science / Computer Science Department
Guidance Plan
(132 Credit Hours)
(2019-2018)

Year	Semester	Module Number	Module Title	Prerequisites	Type of Requirements
First	First (18 Credit Hours)	0114101	Arabic Language Skills (1)	0114099	(UR)
		0130101	English Language Skills (1)	0130099	(UR)
		0750113	University Elective (1)	-----	(UR)
		0250101	Programming Fundamentals (1)	-----	(FR)
		0731110	Differentiation and integration (1)	-----	(SR)
	Second (18 Credit Hours)	0111101	Introduction to Information Systems and Technology	-----	(FR)
		0780110	National Education	-----	(UR)
		0750114	Introduction to Internet and Web Technology	-----	(FR)
		0750120	Programming Fundamentals (2)	0750113	(FR)
		0721111	Discrete Mathematics	0750099	(FR)
Second	First (18 Credit Hours)	0721240	Software Engineering Fundamentals	0731110	(DR)
		0721223	English Language Skills (2)	0130101	(UR)
		0731213	Computing Ethics	0731110	(FR)
		0750230	Object-Oriented Programming	0750114	(FR)
		0750224	Introduction to Web Programming	0750114	(FR)
	Second (18 Credit Hours)	0750272	Digital Logic Design	0731110	(DR)
		0750224	Theory of Computation	0250104	(DR)
		0750272	Numerical Analysis	0750114	(DR)
		0721224	Data Structures	0721223	(SR)
		0731221	Database Fundamentals	0721223	(SR)
Third	First (18 Credit Hours)	0750233	Computer Organization and Design	0750230	(DR)
		0250241	Linear Algebra (1)	0250101	(SR)
		0750215	Visual Programming	0721223	(FR)
		0250231	Introduction to Statistics and Probabilities	-----	(SR)
		0731321	Systems Analysis and Design	0721111	(SR)
	Second (15 Credit Hours)	0750321	Concepts of Programming Languages Algorithms	0721224	(DR)
		0750323	Computer Architecture	0721224	(DR)
		0750332	University Elective (2)	0750233	(DR)
		0750350	Intelligent Systems	-----	(UR)
		0250231	Intelligent Systems	0250231	(DR)
Fourth	First (13 Credit Hours)	0731340	Computer Networks Fundamentals	0721224	(SR)
		0750335	Operating Systems	0750332	(DR)
		0750399	Practical Training	90h	(DR)
		0750362	Database Applications Programming	0731221	(DR)
		0750324	Compiler Construction	0750224	(DR)
	Second (14 Credit Hours)	0750472	Modeling and Simulation Research Project 1	075272	(DR)
		0750497	Department Elective (1)	-----	(DR)
		-----	University Elective (3)	-----	(DR)
		-----	Department Elective (2)	-----	(UR)
		-----	Department Elective (2)	-----	(DR)
Second (14 Credit Hours)	-----	University Elective (4)	-----	(UR)	
	0111100	Military Sciences (Or UE Non-Jordanians Students)	-----	(UR)	
	-----	Department Elective (3)	-----	(DR)	
	0750446	Information Security	0731340	(DR)	
	0750498	Research project 2	0750497	(DR)	