



First: University Requirements (27 Credit Hours)

a- University Compulsory: (15 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0111100	Military Sciences **	3	----	
0111101	National Education	3	----	
0114101	Arabic Language Skills (1)	3	0114099	
0130101	English Language Skills (1)	3	0130099	
0130102	English Language Skills (2)	3	0130101	
0111000	Student Community Service	0	----	

\*\* Compulsory for Jordanian students and elective for Non-Jordanians

Second: Faculty Requirements (24 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0721223	Object Oriented Programming *	3	0750114	
0721240	Computing Ethics	3	0731110	
0731110	Introduction to Information Systems and Technology	3	--	
0731213	Introduction to Web Programming	3	0750114	
0750113	Programming Fundamentals (1) *	3	--	
0750114	Programming Fundamentals (2) *	3	0750113	
0750215	Visual Programming *	3	0721223	
0780110	Introduction to Internet and Web Technology	3	--	

b- Supplementary Requirements (24 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0250101	Differentiation and Integration(1)	3	--	
0250231	Introduction to Statistics and Probabilities	3	--	
0250241	Linear Algebra (1)	3	0250101	
0721111	Software Engineering Fundamentals	3	0731110	
0721224	Data Structures *	3	0721223	
0731221	Database Fundamentals *	3	0721223	
0731321	Systems Analysis and Design	3	0721111	
0731340	Computer Networks Fundamentals *	3	0721224	

b- University Electives: (12 credit hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0111112	Introduction to Psychology	3	---	
0111133	Human Thought & Civilization(1)	3	---	
0140111	Language Skills (1)	3	---	
0140112	Language Skills (2)	3	---	
0240152	Environmental Culture	3	---	
0330111	Introduction to Project Management	3	---	
0420140	Human Rights	3	---	
0420143	Legal Culture	3	---	
0610230	Entrepreneurship and Creativity	3	---	
0731102	Social Networking Skills	3	---	
0780101	Connectivity & Communications Skills	3	---	
0780101	Health Education	3	---	

Third: Major Requirements (81 Credit Hours)

a- Compulsory Modules (48 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0750120	Discrete mathematics	3	0750099	
0750224	Theory of computation	3	0750120	
0750230	Digital Logic Design	3	0731110	
0750233	Computer Organization and Design	3	0750230	
0750272	Numerical Analysis	3	0750114	
0750321	Concepts of Programming Languages	3	0721224	
0750323	Algorithms	3	0721224	
0750324	Compiler Construction	3	0750224	
0750332	Computer Architecture	3	0750233	
0750335	Operating Systems	3	0750332	
0750350	Intelligent Systems	3	0250231	
0750362	Database Applications Programming *	3	0731221	
0750398	Practical Training	3	90 hours	
0750446	Information Security	3	0731340	
0750472	Modeling and Simulation	3	0750272	
0750497	Research Project 1 *	1	90 hours	
0750498	Research Project 2 *	2	0750497	

c- Elective Modules (9 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0731423	Data Mining *	3	0731221	
0750413	Concurrent and Distributed Programming	3	0750215	
0750445	Wireless and Mobile Computing	3	0731340	
0750460	Special Topics	3	0750323	
0750464	Information and Data Retrieval	3	0731221	
0750474	Digital Image Processing	3	0750323	

\*All major modules include at least 25% Practical work, Tutorial, Lab., and Assignment

All students must apply for exam in Arabic and English languages and computer

Date: 01/09/2018