



First: University Requirements (27 Credit Hours)

a- University Compulsory: (18 Credit Hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
0111100	Military Sciences **	3	----	
0111101	National Education	3	----	
0114103	Communication skill (Arabic language)	3	114099	
0115102	Leadership and social responsibility	1	----	
0130107	Communication skills (English 1)	3	130099	
0130108	Communication skills (English 2)	3	130107	
0170101	Life Skills	1	----	
0330103	Leadership and innovation	1	----	

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

b- University Electives: (9 credit hours)

Module No.	Module Name	Credit Hours	Prereq.	Mark
111133	(1)Thought and Human Civilization	3	---	
140111	(1)Language Skills	3	---	
140112	(2)Language Skills	3	---	
170102	Thinking skill	3	---	
670101	development and environment	3	---	
320104	Economic culture	3	---	
330111	Introduction to Project Management	3	---	
420140	Human Rights	3	---	
420143	Legal Culture	3	---	
750101	Digital culture	3	---	
750102	Data analysis skills	3	---	
910102	Health Education	3	---	

Second: Faculty Requirements (24 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0721223	Object Oriented Programming *	3	0750114	
0721250	Computing Ethics and technical writing	3	0750114	
0721345	Mobile computing technology	3	0731213	
0731110	Introduction to Information Systems and Technology	3	--	
0731213	Introduction to Web Programming	3	0750113	
0750113	Programming Fundamentals (1) *	3	--	
0750114	Programming Fundamentals (2) *	3	0750113	
0750215	Visual Programming *	3	0721223	

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	
0750323	Algorithms	3	0721224	
0750324	Compiler Construction	3	0750224	
0750332	Computer Architecture	3	0750332	
0750335	Operating Systems	3	0750332	
0750352	Data Science and Artificial Intelligence	3	0750114	
0750362	Database Applications Programming *	3	0731221	
0750398	Practical Training	3	90 hours	
0750436	Cloud Computing Applications		0731340	
0750446	Information Security	3	0731340	
0750472	Modeling and Simulation	3	0750272	
0750497	Research Project 1 *	1	90 hours	
0750498	Research Project 2 *	2	0750497	

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	0731221	
0731340	Computer Networks Fundamentals *	3	0721224	

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	
0750450	Machine Learning	3	0750352	
0750460	Special Topics	3	0750323	
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