



First: University Requirements (27 Credit Hours)

1- University Compulsory: (12 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	

2- University Electives : (15 credit hours)

(Each student studies (15) credit hours from the following fields: one module from each field as minimum and two modules as maximum)

a. Humanity Sciences Field (3 - 6) credit hours

Module No.	Module Name	Credit hours	Prereq.	Mark
0110102	Arabic Language Skills (2)	3	0114101	
0130103	English Language Skills (3)	3	0130102	
0140101	French Language Skills (1)	3	---	
0140104	Foreign Language (Italian 1)	3	---	
0140105	Foreign Language (Italian 2)	3	0140104	
0140106	Foreign Language (Hebrew 1)	3	---	
0140109	Chinese language skills 1	3	---	
0140110	Chinese language skills 2	3	0140109	

b. Social and Economical Sciences Field (3 - 6) credit hours

Module No.	Module Name	Credit hours	Prereq.	Mark
0111111	Introduction to Sociology	3	---	
0111112	Introduction to Psychology	3	---	
0111133	Culture and Civilization (1)	3	----	
0111142	Communication and Society	3	---	
0115255	Culture of Development	3	---	
0420140	Human Rights	3	---	
0420143	Legal Culture	3	---	

c. Science, Technology, Agriculture, and Health Field (3-6) Crd Hrs

Module No.	Module Name	Credit hours	Prereq.	Mark
0371111	Project Management Skills	3	---	
0731101	Social Networking Skills	3	---	
0761111	Computer Skills	3	---	
0910101	Health Promotion of Individuals and the Community	3	---	
0910105	Principles of nursing and first aid	3	---	

Second: Faculty Requirements (24 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0130102	English Language Skills (2)	3	0130101	
0721220	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	
0761220	Visual Programming *	3	0721220	

Third: Major Requirements (81 Credit Hours)

a- Compulsory Modules (48 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0750223	Theory of Computation	3	0250104	
0750231	Logic Circuits Design	3	--	
0750233	Computer Organization and Design	3	0750231	
0750272	Numerical Analysis	3	0250101+0750114	
0750321	Concepts of programming languages	3	0721221	
0750322	Design and Analysis of Algorithms	3	0750272+0721221	
0750324	Compiler construction	3	0750223	
0750332	Computer Architecture	3	0731110+0750233	
0750333	Principles of Operating Systems	3	0750332	
0750350	Intelligent Systems	3	0721221+0250231	
0750362	Database applications programming *	3	0761235	
0750399	Practical Training	0	Dept. Agree+90 hours +0750099	
0750413	Concurrent and Distributed Programming *	3	0761220	
0750434	Advanced Operating Systems	3	0750333	
0750444	Information and Computer Networks Security	3	0761340	
0750472	Modeling and simulation	3	0750272	
0750497	Research Project 1 *	1	Dept. Agree+90 hours	
0750498	Research Project 2 *	2	0750497	

b- Elective Modules (6 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0750460	Special Topics	3	Dept. Agmt.	
0750474	Digital Image Processing	3	0750322	
0761430	Information retrieval	3	0761235	
0761434	Data mining and data warehousing *	3	0761235	

c- Supplementary Requirements (27 Credit Hours)

Module No.	Module Name	Credit hours	Prereq.	Mark
0250101	Differentiation and integration(1)	3	--	
0250104	Discrete Structures	3	--	
0250231	Introduction to Statistics and Probability	3	--	
0721110	Introduction to Software Engineering	3	0750113+0731110	
0721221	Object Oriented Data Structures *	3	0721220+0250104	
0731321	Systems Analysis and Design	3	0721110	
0761235	Database Fundamentals *	3	0721220	
0761340	Fundamentals of Computer Networks *	3	0721221	
0761441	Wireless and Mobile Computing	3	0761340	

*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: 29/9/2016