



**First: University Requirements ( 27 Credit Hours )**

**1. University Compulsory ( 12 Credit Hours )**

Course No.	Course Name	Cr.	Pre-req.	Mark
0110101	Arabic Language Skills (1)	3	---	
0111100	Military Sciences	3	----	
0111101	National Education	3	----	
0130101	English Language Skills (1)	3	----	

**2. University Electives ( 15 credit hours )**

The student studies (15) hours of the following areas with a minimum of one article of each area and a maximum of two articles of each

**a. Science of Humanity area (3-6) Credit Hours**

Course No.	Course Name	Cr.	Pre-req.	Mark
0110102	Arabic Language Skills (2)	3	0110101	
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 skills1	3	---	
0140110	chinese language skills2	3	0140109	---

**b. Science of Social and Economic area (3-6) Credit Hours**

Course No.	Course Name	Cr.	Pre-req.	Mark
0111111	Introduction to Sociology	3	---	
0111112	Introduction to Psychology	3	---	
0111133	Culture and Civilization (1)	3	---	
0111142	Communication and Society	3	---	
0420140	Human Rights	3	---	
0115255	Culture of Development	3	---	
0420143	Legal Culture	3	---	

**c. The area of Science, Technology, Agriculture and Health (3-6) credit hours**

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

**Second: Faculty Requirements ( 24 Credit Hours )**

Course No.	Course Name	Cr.	Pre-req.	Mark
0130102	English Language Skills (2)	3	0130101	
0721220	Object Oriented Programming *	3	0750114	
0731110	Introduction to Systems and Information Technology	3	---	
0731213	Introduction to World Wide Web Programming	3	0750114	
0750113	Programming Fundamentals (1) *	3	---	
0750114	Programming Fundamentals (2) *	3	0750113	
0761220	Visual Programming *	3	0721220	
0721240	Computing Ethics	3	0731110	

**Third: Major Requirements ( 81 Credit Hours )**

**a. Compulsory Modules ( 45 Credit Hours )**

Course No.	Course Name	Cr.	Pre-req.	Mark
0721110	Introduction to Software Engineering	3	0750113+0731110	
0721221	Object Oriented Data Structures*	3	0721220+0250104	
0721222	Software Modelling	3	0721110	
0721230	Software Requirements	3	0721110	
0721320	Software Architecture	3	0721222	
0721322	System Analysis and Design	3	0721230+0721320	
0721324	Advanced Object Oriented Programming*	3	0721220	
0721330	Software Production	3	0721222	
0721331	Software Project Management	3	0721330	
0721420	Software Construction and Development	3	0721322+0721324 (متزامن)	
0721421	Software Re-Engineering	3	0721420	
0721422	Web Software Engineering	3	0721420+0731213	
0721423	Graphical User Interface Design*	3	0721320+0761220	
0721430	Software Testing	3	0721322	
0721438	Practical Training	0	Dept. Agree+90 hours+9750099	
0721448	Research Project (1)*	1	Dept. Agree+90 hours	
0721449	Research Project (2)*	2	0721448	

**b. Elective Modules ( 6 Credit Hours )**

Course No.	Course Name	Cr.	Pre-req.	Mark
0721439	Special Topics in Software Engineering	3	0721322	
0721443	Telecommunication Software Desing	3	0721322+0761340	
0721445	CASE Tools Development	3	0721420	
0721447	Advanced Modeling in Software Engineering	3	0721420	

**c. Compulsory Supplementary Requirements (30 Credit Hours)**

Course No.	Course Name	Cr.	Pre-req.	Mark
0250101	Differentiation and Integration (1)	3	---	
0250104	Discrete Structures	3	---	
0250231	Introduction to Statistics and Probabilities	3	---	
0750231	Design of Logic Circuits	3	0731110	
0750272	Numerical Analysis	3	0250101+0750114	
0750322	Design and Analysis of Algorithms	3	0721221+0250231	
0750332	Computer Architecture	3	0750231	
0750333	Principles of Operating Systems	3	0750332	
0761235	Database Fundamentals*	3	0721220	
0761340	Fundamentals of Computer Networks*	3	0721221	

\*All major modules include not less 25% Practical work, Tutorial, Lab., and Assignment

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