



AL HUSSEIN BIN TALAL UNIVERSITY

Department of Software Engineering

Study Plan (2017)

University Compulsory (12 Credit Hours)

Course Number	Course Name	Credit	Prerequisite
0205100	National Education	3	
0202101	English Language	3	0202099
0201101	Arabic Language	3	0201099
0100102	Military Sciences	3	

University Elective (15 Credit Hours)

Course Number	Course Name	Credit	Prerequisite
0213101	Islamic Culture	3	
0204101	French Language	3	
0206101	Introduction to Library Science	3	
0202102	Communication Skills in English	3	0202101
0201102	Communication Skills in Arabic	3	0201101
0201104	The Art of Creative Arabic Writing	3	
0113112	Principles of Psychology	3	
0102141	Principles of Education	3	
0100171	Principles of Physical Education	3	
1408100	Law in Our Life	3	
0701100	Jordan's Contribution to The Human Civilization	3	
0412100	Economy in Our Life	3	
0217100	History of Jerusalem	3	
0411102	Essentials of Management	3	
0411104	Leadership and Innovation	3	
0701105	Cultural Heritage and People	3	
0712107	Art of Hospitality and Etiquette	3	
0211107	Geography of Jordan	3	
0441110	Fundamentals of E-Commerce	3	
0303100	Introduction to Astronomy	3	
0502100	Environmental Issues	3	
0503100	Principles of Public Safety	3	
0612100	Internet Skills and Social Networks	3	
0507100	Concepts in Automobiles Maintenance	3	

Course Number	Course Name	Credit	Prerequisite
0903100	Security and Radiation Safety	3	
0302100	The History of Mathematics	3	
0613100	Principles of E - Government	3	
0501110	NATURAL RESOURCES IN JORDAN	3	
0306111	HUMAN AND CHEMISTRY	3	
0901120	FIRST AID	3	

College Compulsory (24 Credit Hours)

Course Number	Course Name	Credit	Prerequisite
0302101	Calculus (1)	3	
0613101	Fundamentals of Information Technology	3	
0612102	Discrete Mathematics	3	
0302102	Calculus (2)	3	0302101
0303106	General Physics for Computer Students	3	
0612112	Programing Language (1)	3	
0612116	Programing Language (2)	3	0612112
0612213	Object-Oriented Programming (1)	3	0612116

Major Compulsory (72 Credit Hours)

Course Number	Course Name	Credit	Prerequisite
0451100	Introduction to management and marketing	3	
0302131	Principles of Statistics and Probability	3	0612102
0614204	Introduction to Software Engineering	3	0613101
0614211	Professional and Ethical Issues in Computing	3	0202101
0613212	Systems Analysis	3	0613201
0613201	Introduction to Information Systems	3	0451100
0612222	Data Structures	3	0612213
0302241	Linear Algebra (1)	3	0302102
0612313	Visual Programming Language (1)	3	0612213
0613313	Database Systems	3	0613212
0511221	Logical Circuit Design	3	0612116
0612321	Computer Algorithms	3	0612222

Course Number	Course Name	Credit	Prerequisite
0614351	Software Project Management and Quality	3	0614204
0511322	Computer Architecture	3	0511221
0612331	Operating System	3	0612116
0612332	Introduction to Computer Networks	3	0612331
0613341	Internet Programming	3	0612213
0614421	Human-Computer Interaction	3	0614322
0614390	Field Training	3	90 Credit
0614322	**Software specifications and design	3	0614204
0614443	**Software Testing	3	0614322
0614445	*Software development and documentation	3	0614322
0613454	**Manage database systems	3	0613313
0614490	Graduation Project – Software Engineering	3	90 Credit

Major Elective (9 Credit Hours)

Course Number	Course Name	Credit	Prerequisite
0612315	Object-Oriented Programming (2)	3	0612213
0613322	A Fourth Generation Language	3	0613313
0613324	Computer Modeling and Simulation	3	0612321
0612342	Artificial Intelligence	3	0612222
0613434	Multimedia Systems	3	0612213
0614363	*Software architecture	3	0614322
0613442	Electronic Commerce	3	0613341
0613453	Information Retrieval	3	0613313
0614453	Formal Methods in Software Engineering	3	0314322
0614491	Special Topics in Software Engineering	3	0612332
0614442	Software Re-Engineering Techniques	3	0614443