



Al-Ahliyya Amman University
Faculty of Information Technology
(132) Credit Hours
Study Plan 2014-2015 for Computer Science
Major

First: University Requirements: (27) Credit Hours

1) Compulsory University Requirements (12) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Exception
0161101	Arabic Language Communication Skills (1)	3	0161100	-
0161200	Military Sciences	3	-	Non-Jordanian
0161201	National Education	3	-	-
0121131	English Language Communication Skills (1)	3	0171100	-

2) Elective University Requirements (15) Credit Hours

A) Humanities (6) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Exception
0152102	English Language Communication Skills (2)	3	0121131	-
0161300	Islamic Culture	3	-	-
0162102	Arabic Language Communication Skills (2)	3	0161101	-
0162301	History of Jordan and Palestine	3	-	-
0411100	Human Rights	3	-	Law Students

B) Social and Economic Sciences (6) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Exception
0132200	Psychology and Life	3	-	Psychology students
0143301	Entrepreneurship	3	-	-
0161301	Islam and Life	3	-	-
0162302	Media and Public Relations	3	-	-
0561500	Tourism and Archaeology	3	-	Hotels & Tourism students

C) Sciences, Technology, and Health (3) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Exception
0161303	Sport and Health	3	-	-
0162305	Environmental and Public Safety	3	-	-
0162306	Science and Life	3	-	-

Community Service: is a mandatory graduation requirement (10 Hours of Service)

*** This course must be successfully passed in order to advance to any of the succeeding courses.**

Second: Compulsory Faculty Requirements (25) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Concurrent
0111101	Mathematics (I)	3	-	-
0311203	Introduction to Programming *	2	0331202	-
0311204	Introduction to Programming Lab	1	-	0311203
0311205	Object Oriented Programming	3	0311203	-
0311206	Object Oriented Programming Lab	1	-	0311205
0312101	Discrete Mathematics	3	-	-
0331202	Computer Skills (Information Technology)	3	-	0331200
0332602	Communication Skills and Technical Writing	3	0121131	-
0334402	Entrepreneurship and Professional Ethics	3	0332602	-
0342102	Data Structures *	3	0311205	-

Third: Major Requirements (80) Credit Hour

A) Compulsory Major Requirements (58) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Concurrent
0312301	Digital Logic Design	3	0312101	-
0312201	Visual Programming	3	0311203	-
0312603	Statistics and Probability	3	0111101	-
0312604	Numerical Analysis and Programming	3	0111101	-
0313101	Algorithms Analysis and Design	3	0342102	-
0313102	Theory of Computation	3	0312101	-
0313103	Artificial Intelligence	3	0342102	-
0313104	Computer Graphics	3	0342102	-
0313201	Internet Applications Development	3	0313501	-
0313202	Internet Applications Development Lab	1	-	0313201
0313303	Computer Organization and Architecture	3	0312301	-
0313304	Computer Design	3	0313303	-
0313501	Database Management Systems	3	0311205	-
0313504	Database Applications	3	0313501	-

.....Follow Compulsory Major Requirements

0313203	E-Commerce and Internet Programming	3	0312201	-
0313502	Systems Analysis and Design	3	0332401	-
0314101	Mobile Applications Development	3	0311205	-
0314301	Operating Systems	3	0313303	-
0314701	Practical Training	3	Pass 90 Cr. Hrs.	-
0314702	Graduation Project	3	Pass 90 Cr. Hrs.	-

B) Ancillary Major Requirements (13) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Concurrent
0332401	Introduction to Software Engineering *	3	0311205	-
0342401	Computer Networks *	3	0312301	-
0342402	Computer Networks Lab	1	-	0342401
0343403	Wireless and Mobile Networks	3	0342401	-
0343501	Information Security and Privacy	3	0342401	-

C) Elective Major Requirements (9) Credit Hours

Course No	Course Title	Cr. Hr.	Prerequisite	Concurrent
0311603	Linear Algebra	3	0111101	-
0312605	Operations Research	3	0312101	-
0313503	Multimedia Information Systems	3	0311203	-
0314201	Programming Languages Design	3	0342102	-
0314202	Cloud Computing	3	0342401	-
0314302	Parallel Computing and Distributed Systems	3	0314301	-
0314401	Selected Topics in Computer Science	3	0314301	-
0332405	Human Computer Interaction	3	0332401	-
0334401	Software Project Management	3	0332401	-

Fourth: Remedial Requirements (to a student who has not passed the qualification exam level)

Course No	Course Title	Cr. Hr.	Prerequisite
0161100	Arabic language (Remedial)	3	-
0171100	English language (Remedial)	3	-
0331200	Computer Skills (Remedial)	3	-



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