

## Advisory Study Plan for the Academic Year 2014 - 2015

Faculty: Information Technology

Department: Computer Science

## First Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0161101	Arabic Language Communication Skills (1)	3	0161100
0121131	English Language Communication Skills (1)	3	0171100
0331202	Computer Skills (Information Technology)	3	0331200*
0111101	Mathematics (I)	3	-
0312101	Discrete Mathematics	3	-
<b>Total</b>		<b>15</b>	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0311203	Introduction to Programming	2	0331202
0311204	Introduction to Programming Lab	1	0311203*
0312301	Digital Logic Design	3	0312101
0312603	Statistics and Probability	3	0111101
0332602	Communication Skills and Technical Writing	3	0121131
0161201	National Education	3	-
	Elective University Requirement	3	-
<b>Total</b>		<b>18</b>	

## Second Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0312201	Visual Programming	3	0311203
0311205	Object Oriented Programming	3	0311203
0311206	Object Oriented Programming Lab	1	0311205*
0313303	Computer Organization and Architecture	3	0312301
0312604	Numerical Analysis and Programming	3	0111101
	Elective University Requirement	3	-
<b>Total</b>		<b>16</b>	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0342102	Data Structures	3	0311205
0313304	Computer Design	3	0313303
0313501	Database Management Systems	3	0311205
0342401	Computer Networks	3	0312301
0342402	Computer Networks Lab	1	0342401*
	Elective University Requirement	3	-
<b>Total</b>		<b>16</b>	

## Third Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0313203	E-Commerce and Internet Programming	3	0312201
0313102	Theory of Computation	3	0312101
0313104	Computer Graphics	3	0342102
0313504	Database Applications	3	0313501
	Elective University Requirement	3	-
	Elective Major Requirement	3	-
<b>Total</b>		<b>18</b>	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0313201	Internet Applications Development	3	0313501
0313202	Internet Applications Development Lab	1	0313201*
0332401	Introduction to Software Engineering	3	0311205
0343501	Information Security and Privacy	3	0342401
0313101	Algorithms Analysis and Design	3	0342102
	Elective Major Requirement	3	-
<b>Total</b>		<b>16</b>	

## Fourth Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0313502	Systems Analysis and Design	3	0332401
0313103	Artificial Intelligence	3	0342102
0343403	Wireless and Mobile Networks	3	0342401
0314702	Graduation Project	3	Pass 90 Cr. Hr.
0314301	Operating Systems	3	0313303
<b>Total</b>		<b>15</b>	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0314101	Mobile Applications Development	3	0311205
0334402	Entrepreneurship and Professional Ethics	3	0332602
0314701	Practical Training	3	Pass 90 Cr. Hr.
0161200	Military Sciences	3	-
	Elective Major Requirement	3	-
	Elective University Requirement	3	-
<b>Total</b>		<b>18</b>	