

Advisory Study Plan for the Academic Year 2014 - 2015

Faculty: Information Technology

Department: Networks and Information Security

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	-
Total		15	

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	-
Total		18	

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	-
Total		16	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0342102	Data Structures	3	0311205
0313501	Database Management Systems	3	0311205
0342401	Computer Networks	3	0312301
0342402	Computer Networks Lab	1	0342401*
0161200	Military Sciences	3	-
	Elective Major Requirement	3	-
Total		16	

Third Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0343401	Advanced Internet Protocols	3	0342401
0343402	Advanced Internet Protocols Lab	1	0343401*
0343403	Wireless and Mobile Networks	3	0342401
0343404	Wireless and Mobile Networks Lab	1	0343403*
0343501	Information Security and Privacy	3	0342401
	Elective University Requirement	3	-
	Elective Major Requirement	3	-
Total		17	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0344501	Networks Security	3	0343501
0344502	Networks Security Lab	1	0344501*
0313201	Internet Applications Development	3	0313501
0313202	Internet Applications Development Lab	1	0313201*
0344401	Networks Programming	3	0343401
0343405	Networks Management and Documentation	3	0342401
	Elective Major Requirement	3	-
Total		17	

Fourth Year

First Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0314101	Mobile Applications Development	3	0311205
0344504	Encryption Theory	3	0343501
0344402	Networks Simulation and Modeling	3	0343401
0344702	Graduation Project	3	Pass 90 Cr. Hr.
	Elective University Requirement	3	-
Total		15	

Second Semester			
Course No.	Course Title	Credit Hours	Prerequisite/ Concurrent*
0344503	Digital Forensics	3	0344501
0334402	Entrepreneurship and Professional Ethics	3	0332602
0314301	Operating Systems	3	0313303
0313101	Algorithms Analysis and Design	3	0342102
0344701	Practical Field Training	3	Pass 90 Cr. Hr.
	Elective University Requirement	3	-
Total		18	