



Advisory Plan

First Year					
First Semester			Second Semester		
Course Number	Course Name	Cr. Hrs.	Course Number	Course Name	Cr. Hrs.
AAL101	Applied Arabic Language	3	AEL102	Applied English Language (2)	3
AEL101	Applied English Language (1)	3	30202102	Calculus (2)	3
30202101	Calculus (1)	3	30801101	Computer Skills (2) for Science Colleges	3
CS101	Computer Skills and E-Learning	1	30801214	Discrete and Mathematical Structures	3
IEC101	Innovation, Entrepreneurship and Creativity	2	30202131	Probability and Statistics	3
NE101	National Education and University Behavior	3	AR231	Introduction to Unix	1
	University Elective 1	3			
Total		18	Total		16

Second Year					
First Semester			Second Semester		
Course Number	Course Name	Cr. Hrs.	Course Number	Course Name	Cr. Hrs.
AR142	Introduction to Artificial Intelligence	3	AR211	Data Structures	3
30801203	Object Oriented Programming	3	ICS244	Fundamentals of Cryptography	3
30801204	Object Oriented Programming Lab.	1	ICS337	Computer Networks (2)	3
ICS230	Computer Networks (1)	3	ICS232	Computer Networks (1) Lab	1
ICS140	Principles of Information and Cyber Security	3	AR241	Artificial Intelligence Programming	3
30102212	Digital Logic Design	3	30102213	Digital Logic design Lab	1
ICS261	Introduction to Number Theory	2	ICS242	Scripting Programming	2
Total		18	Total		16



Third Year					
First Semester			Second Semester		
Course Number	Course Name	Cr. Hr s.	Course Number	Course Name	Cr. Hrs.
30801243	Database Design and Management 1	3	ICS443	Digital Forensics	3
AR212	Design and Analysis of Algorithms	3	ICS442	Cyber Law and Ethics	3
AR214	Data Structures and Algorithms Lab	1	AR243	Machine Learning	3
ICS346	Networks Security	3	DS245	Machine Learning Lab	1
ICS348	Networks Security Lab	1	ICS339	Mobile Application Development	3
ICS222	Web Programming	2	30801244	Database Design and Management Lab. 1	1
ICS224	Web Programming Lab	1	30801322	Operating Systems	3
	University Elective 2	3			
Total		17	Total		17

Fourth Year					
First Semester			Second Semester		
Course Number	Course Name	Cr. Hrs.	Course Number	Course Name	Cr. Hrs.
ICS445	Risk Management	3	ICS474	Training for Security Students	6
ICS441	Penetration Testing	3	ICS472	Graduation Project (2)	2
35001101	Military Sciences	3		Specialization Elective 3	3
-	Specialization Elective 1	3	-	Specialization Elective 4	3
	Specialization Elective 2	3			
ICS471	Graduation Project (1)	1			
Total		16	Total		14