



First Year (29 Credit Hours)										Total CH
First Semester					Second Semester					
Course No	Course Title	Prerequisite	L	CH	Course No	Course Title	Prerequisite	L	CH	
103101	Calculus (1)			3	103250	Discrete Mathematics (1)	103101		3	
601104	Information Technology Fundamentals		+	3	601111	Programming Language (1)	601104	+	3	
9400100	National Education			3	605161	Introduction to Data Communication & Networking	9600102+601104		3	
9600102	Computer Skills (Compulsory for IT Majors)	P.T / 9601099	+	3	9400123	Communication Skills in English (1)	9402099 / P.T		3	
9400108	Life Skills			2	605150	Cybersecurity Fundamentals	601104		3	
<b>Total</b>					<b>Total</b>					<b>29</b>
Second Year (34 Credit Hours)										
First Semester					Second Semester					
Course No	Course Title	Prerequisite	L	CH	Course No	Course Title	Prerequisite	L	CH	
103231	Principles of statistics	103101		3	103241	Linear Algebra (1)	103101		3	
402201	Communication Skills for IT	9400123		3	601221	Data Structures	601212+103250	*	3	
601212	Programming Language (2)	601111	+	3	601281	Database (1)	601212	*	3	
601241	Computer Logic Design	601104 + 103250	*	3	605250	Linux Security Fundamentals	605150+605264	+	3	
605264	Information & Network Security	605161		3	9400113	Communication Skills in Arabic (1)	9401099 / P.T.		3	
9300105	Enterpreunership and Innovation			2	9400107	Leadership and social responsibility			2	
<b>Total</b>					<b>Total</b>					<b>63</b>
Third Year (36 Credit Hours)										
First Semester					Second Semester					
Course No	Course Title	Prerequisite	L	CH	Course No	Course Title	Prerequisite	L	CH	
601325	Algorithms Design & Analysis	601221		3	603392	Software Engineering	603391		3	
603391	Systems Analysis & Design	601281 + 601221		3	605365	Network Monitoring & Documenting	605264	+	3	
605341	Digital Forensic Investigation	605264	*	3	606360	Artificial Intelligence	601325		3	
605343	Cryptography Theory	605264		3	605349	Data Analytics	605343 + 103231	+	3	
605346	Information & Network Security Programming	605250 + 601221	+	3	6xxxxx	Department Elective (1)			3	
601315	Internet Programming	601212+9600102		3	9xxxxx	University Elective (1)			3	
<b>Total</b>					<b>Total</b>					<b>99</b>
Fourth Year (34 Credit Hours)										
First Semester					Second Semester					
Course No	Course Title	Prerequisite	L	CH	Course No	Course Title	Prerequisite	L	CH	
601432	Operating Systems	601325		3	601460	Professional Ethics for IT	603391		1	
605480	Graduation Project (1)	402201 +603392		3	605443	Intrusion Detection & Prevention	605445	+	3	
605400	Field Training	Dept. Approval +603392		3	605485	Graduation Project(2)	605480	+	3	
605445	Ethical Hacking	605346	+	3	9400109	Military Science			3	
605461	Software Development Security	605346 + 603392		3	9607000	Community service			0	
6xxxxx	Department Elective (2)			3	6xxxxx	Department Elective (3)			3	
<b>Total</b>					<b>Total</b>					<b>133</b>
<b>Total Hours (133 Credit Hours)</b>										