

First Year / First Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1301106	Structured Programming	2	2	3	F	-
1305101	Introduction to Cybersecurity	3	0	3	F	-
1401124	Communication skills (English) **	3	0	3	E	1401098
1501110	Calculus (1)	3	0	3	F	-
-	University Elective	3	0	3	F	-
Total		14	2	15		

First Year / Second Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1301108	Object-Oriented Programming (1)	2	2	3	F	1301106
1501167	Discrete Structures (1)	3	0	3	B	-
1305130	Data Communications and Computer Networks	3	0	3	B	1305101
1401123	Communication skills (Arabic)**	3	0	3	E	1401099
1501212	Probability and Statistics	3	0	3	B	1501110
Total		14	2	15		

Second Year / First Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1301203	Data Structures and Algorithms	2	2	3	F	1301108+1501167
1401225	Computing Ethics and Technical Writing	2	0	2	B	1401124
1401226	English Language for Information Technology Students	1	0	1	B	1401124
1305210	Tools and Fundamentals of Artificial Intelligence	3	0	3	B	1305101
1301236	Web-Based Programming	2	2	3	F	1301108
1401150	National Education	3	0	3	E	-
Total		13	4	15		

Second Year / Second Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1305211	Principles of Cloud Computing	3	0	3	B	1305130
1305226	Operating Systems for Cybersecurity	2	0	3	F	1301203
1305212	Network Security	2	2	3	F	1305130
1305246	Cybersecurity Programming	2	0	3	F	1301203
1501230	Numerical Analysis	3	2	3	B	1501110
-	University Elective	3	0	3	F	-
Total		15	6	18		

Third Year / First Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1301305	Database and Application of Database	2	2	3	F	1301203
1305315	Cloud Computing Security	2	2	3	F	1305211
1305301	Secure Communication Protocols	2	2	3	F	1305212
1305311	Infrastructure Security Using Linux	2	2	3	F	1305226
1401146/47/48	Entrepreneurship/Leadership/ Life skills	3	0	3	E	-
Total		11	8	15		

Third Year / Second Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1401116	Islamic Education	3	0	3	E	-
1305325	Cloud Computing Development	2	2	3	F	1305211
1305320	Data and Software Security	2	2	3	F	1305246
1305323	Encryption Theory and Data Authentication	3	0	3	B	1305130
1305314	Ethical Hacking	2	2	3	F	1305311+1305246
-	Specialization Elective	3	0	3	F	-
Total		15	6	18		

1305369	Field Training for Cybersecurity	3	F	Pass. 90 Cr. Hrs.
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During the summer semester of the third year.

Fourth Year / First Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1305491	Graduation Project (1)	0	2	1	F	Pass. 90 Cr. Hrs. + 1305320
1305403	Data Analytics in Cybersecurity and Cloud Computing	2	2	3	F	1305211 + 1305212
1305401	Penetration Testing	2	2	3	F	1305314
1305404	Digital Forensic	2	2	3	F	1305311
-	Free Elective	3	0	3	E	-
-	Specialization Elective	3	0	3	B	-
Total		12	8	16		

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Fourth Year / Second Semester						
Subject Number	Subject Title	Credit Hours			Teaching method	Prerequisites
		Theory	Lab	Total		
1305492	Graduation Project (2)	0	4	2	F	1305491
1305455	Cloud Computing Engineering	2	2	3	F	1305325
1305417	Cloud Computing and Virtualization Technology	2	0	3	B	-
1305419	Risk Management and Vulnerability Analysis					