



Acad. Year	First Semester (5 Courses)						Second Semester (5 Courses)					
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name	Pre-req.	Hours		
				Cr	Th	Pr				Cr	Th	Pr
1	0814132	Physics	----	4	3	2	0603103	Business and Accounting	1722111	3	3	0
	0827111	Calculus	----	3	3	0	0826152	Biology	----	3	3	0
	0921110	Introduction to Computing	----	4	3	3	0827121	Probability and Statistics	0827111	3	3	0
	1722111	Academic English	----	3	3	0	0827122	Discrete Mathematics	0827111	3	3	0
	1900101	Creed and Doctrines	----	2	2	0	0921120	Fundamentals of Programming	0921110	4	3	3
	Total			16	14	5	Total			16	15	3
Acad. Year	First Semester (5 Courses)						Second Semester (5 Courses)					
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name	Pre-req.	Hours		
				Cr	Th	Pr				Cr	Th	Pr
2	0921210	Object Oriented Programming(1)	0921120	4	3	3	0922221	Requirements Engineering	0921210	4	3	3
	0921211	Data Structure and Algorithms	0921120 0827122	4	3	3	0922222	Database Concepts and Design	0921211	4	3	3
	0921212	Linear Algebra	0827122	3	3	0	0923223	Digital Logic and Design	0814132	4	3	3
	0924214	Fundamentals of Computer Networks	0921110	4	3	3	0922224	Rapid Application Development	0921210	4	3	3
	1900102	Islamic Culture	----	2	2	0	1900???	University Elective(1)	----	2	2	0
	Total			17	14	9	Total			18	14	12
Acad. Year	First Semester (5 Courses)						Second Semester (5 Courses)					
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name	Pre-req.	Hours		
				Cr	Th	Pr				Cr	Th	Pr
3	0922310	Organization and Management	0603103	3	3	0	0921320	Computer Security	0924214	3	3	0
	0922311	System Analysis and Design	0922221	4	3	3	0921321	Operating Systems	0923313	4	3	3
	0922312	Technical Reports	1722111	3	3	0	0922322	Professional Responsibility	0922312	3	3	0
	0923313	Computer Organization and Architecture	0923223	4	3	3	0922323	Database Management Systems	0921212	4	3	3
	0922314	Web-based Systems	0922224	4	3	3	0922324	IT Project Management	0922311	3	3	0
	Total			18	15	9	Total			17	15	6
Summer Semester (One Course)												
	Course Code	Course Name	Credit Hours			Pre-requisite						
	0922330	Practical (Co-op) Training	3			Department Approval and Finish 95 Credit Hours						
Acad. Year	First Semester (5 Courses)						Second Semester (5 Courses)					
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name	Pre-req.	Hours		
				Cr	Th	Pr				Cr	Th	Pr
4	0922410	Project Proposal	Dept. Approval	2	---	---	0922420	Project Implementation	0922410	3	---	---
	0922411	Information Security and Assurance	0827121 0921320	3	3	0	0922421	Selected Topics in Information Systems	0922410	3	3	0
	0922412	Enterprise Systems	0922310	3	3	0	0922422	Electronic Business	0922310	3	3	0
	1900???	University Elective(1)		2	2	0	092?4??	Program Elective(2)	?	3	3	0
	092?4??	Program Elective(1)	?	3	3	0	092?4??	Program Elective(3)	?	3	3	0
	Total			13	11	0	Total			15	12	0
Elective Courses	Program Elective Courses (3 Courses of 9 Credit Hours Total)						University Elective Courses (2 Courses of 4 Credit Hours Total)					
	Course Code	Course Name	Pre-req.	Hours			Course Code	Course Name		Hours		
				Cr	Th					Cr	Th	
	0922414	Mining of Massive Datasets	0922222	3	3		1900103	Islamic Morals and Occupational Ethics		2	2	
	0922415	Data Analytics and Visualization	0827121	3	3		1900104	Studies in the Prophet's Biography		2	2	
	0922416	Web application Penetration Testing	0921320	3	3		1900105	Medical Jurisprudence		2	2	
	0922417	Human Computer Interaction	0922224	3	3		1900106	Economy and Politics in Islam		2	2	
	0922418	Software Quality Assurance	0922311	3	3		1900107	Social System and Family Behavior		2	2	
	0921422	Mobile Application Development	0921210	3	3		0602233	Fundamentals of Entrepreneurship		2	2	
	0922423	Agile Software Development	0922311	3	3		1900109	Health and Fitness		2	2	
	0922424	Decision Support Systems	0922412	3	3		1900110	Research Skills		2	2	
	0922425	IT Innovation and Entrepreneurship	0922310	3	3		1900111	Voluntary Work		2	2	
	0922426	Information Security Risk Management	0922411	3	3		1900112	Medicine: Type and Usage		2	2	
	0922427	Information Security Controls and Audit	0922411	3	3		1900113	Human Rights in Islam		2	2	
							1900114	Food and Nutrition		2	2	