

Year	First Semester				Second Semester			
1	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr
	E102	General English		6	E103	English for Computer	E102	3
	Math 103	General Math		3	Math 111	Calculus 1	Math 103	3
	IS110	Information Technology		3*	CS120	Introduction to Computing	IS110	3*
	Depe101	Physical Education		1	PH132	Physics	Math 103	4
					111 I	Writing & Composition		2
					Deic101	Islamic Culture		2
	Total				13	Total		
	First Semester				Second Semester			
2	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr
	CE210	Electronics	PH132	4*	CE220	Digital Hardware	CE210	3*
	CS211	Fund. of Programming & Data structure	CS120	3*	CS221	Object Oriented Programming 1	CS211	3*
	Bio 101	Biology		4*	CN222	Com. & Network fundamentals	CS120	3*
	IS212	Fundamentals of IS	IS110	3	MGT290	Business 1		3
	Math 208	Intro. to Statistics and Probability theory	Math 111	3	Math 125	Logic & proof techniques	Math 103	3
					Deic251	Islamic creed & Ethics	Deic101	2
	Total				17	Total		
	First Semester				Second Semester			
3	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr
	CE310	Computer Organization	CE220	3*	CN320	Net. Protocols & E-commerce Technology	CN222	3*
	CS311	Object Oriented Programming 2	CS221	3*	CS321	Operating Systems		3*
	CS312	Language Theory & Finite Automata	Math 125	3	IS321	Database Concepts & Design	IS212	3#
	MGT392	Communication Skills	MGT290	2	CS322	Algorithm Design & Analysis	CS312	3
	Math 301	Discrete Math	Math 111	3	IS324	Technical Reports	MGT290	2
	Deic351	The economic System in Islam	Deic251	2	IS322	Professional Responsibility	IS 212	2
	Total				16	Total		
CS330 Summer Training								
	First Semester				Second Semester			
4	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr
	CS415	Computer Data Security and Privacy	CN320& CS321	3	CS420	Project Proposal	Dept Approval	2
	IS411	Human Computer Interaction	CS311	3#	CSxxx	Elective Course	Dept Approval	3
	CS414	Knowledge Rep. & Reasoning	Math 125	3*	IS422	Web-Based Systems	CN320 & IS321	3#
	CS412	Software Engineering	CS311 & IS321	3	CS421	Mobile Computing	CS413 & CN320	3#
	CS413	Advanced Operating Systems	CS321	3#	Deic404	Political System in Islam	Deic351	2
	Total				15	Total		
	First Semester				Elective Courses			
5	Course #	Course Title	pre	Cr	CS410 CS425 CS426 CS427 CS512 CS513 CS514 IS513	Modeling & Simulation Compilers Computer Vision & Computer Graphics Formal Method Natural Language Processing Artificial Intelligence Multi Agents Data Mining & Warehousing	3 3 3 3 3 3 3	
	CS510	Project Implementation	CS420	3				
	CS511	Selected Topics	CS420	3#				
	CSxxx	Elective Course	Dept Approval	3				
	CSxxx	Elective Course	Dept Approval	3				
	Total							12

