

Computer Information Systems Program Plan, Total Credit Hours = 136, *= Including LAB, #= Including Project

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	
	Math103	General Math		3	Math 111	Calculus I	Math103	3	
	IS110	Information Technology		3*	CS120	Introduction to Computing	IS110	3*	
	Depe101	Physical Education		1	PH132	Physics	Math103	4	
					111	Writing & Composition		2	
					Deic101	Islamic Culture		2	
Total				13	Total				17
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 I	CS211	3*	
	Math208	Introduction to Statistics and Probability	Math111	3	CN222	Communication & Network fundamentals	CS120	3*	
	IS212	Fundamentals of IS	IS110	3	MGT290	Business I		3	
	Bio101	Biology		4*	Math 125	Logic & Proof Tech.	Math 103	3	
					Deic251	Islamic Creed & Ethics	Deic101	2	
Total				17	Total				17
3	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr	
	CS311	Object Oriented Programming II	CS221	3*	CN320	Net. Protocols & E-commerce Technology	CN222	3*	
	MGT391	Business II	MGT290	3	CS321	Operating Systems		3*	
	IS312	System Analysis & Design I	IS212	3#	IS322	Professional Responsibility	IS212	2	
	MGT392	Communication skills	MGT290	2	IS323	System Analysis & Design II	IS312	3#	
	Math301	Discrete Math	Math111	3	IS321	Database Concepts and Design	IS212	3#	
	Deic351	The Economic System in Islam	Deic251	2	IS324	Technical Reports	MGT290	2	
Total				16	Total				16
IS330 Summer Training									
4	Course #	Course Title	pre	Cr	Course #	Course Title	pre	Cr	
	IS410	Project Management	IS321	3#	IS420	Project Proposal	Dept Approval	2	
	IS411	Human Computer Interaction	CS311	3#	MGT490	Elec. Bus. Strategy	IS212 & MGT391	3	
	IS412	Database Management Systems	IS321	3#	IS422	Web-Based Systems	CN320 & IS321	3#	
	CS415	Computer Data Security and Privacy	CN320 & CS321	3	ISxxx	Elective course	Dept Approval	3	
	ISxxx	Elective Course	Dept Approval	3	Deic404	Political System in Islam	Deic351	2	
Total				15	Total				13
5	Course #	Course Title	pre	Cr	Elective Courses				
	IS510	Project Implementation	IS420	3	IS513	Data Mining & Warehousing		3	
	IS511	Software Quality Assurance	IS323	3	CS410	Modeling and Simulation		3	
	IS512	Selected Topics in IS	IS420	3#	IS514	Decision Support & Expert Systems		3	
	ISxxx	Elective Course	Dept Approval	3	IS515	Object-Oriented Analysis & Design		3	
					IS516	Distributed and Mobile Database		3	
Total				12	IS421	Knowledge Management & Info. Retrieval		3	
				IS515	Object-Oriented Database		3		

