

### Computer Science Program Plan for 2009 students batch and later (ex. 2010)

Year	First Semester				Second Semester				
<b>1</b>	Course #	Course Title	Prerequisite	Cr	Course #	Course Title	Prerequisite	Cr	
	0911110	Introduction to Computing		3	0911120	Fund. of Programming	0911110	3	
	0912111	Fundamentals of IS		3	0913121	Electronics	0814132	4	
	0817111	Calculus		3	0816101	Biology		4	
	0814132	Physics		4	0817208	Intro. to Statistics and Probability theory	0817111	3	
	7401101	Islamic Creed & Contemporary Doctrines		2	7401317	Islamic & Profession's Morals	7401101	2	
	Total				15	Total			
<b>2</b>	First Semester				Second Semester				
	Course #	Course Title	Prerequisite	Cr	Course #	Course Title	Prerequisite	Cr	
	0911210	Object Oriented Prog.(1)	0911120	3	0911220	Object Oriented Prog.(2)	0911210	3	
	0911211	Data Structure	0911120	2	0911221	Operating Systems	0913213	3	
	0912212	Technical Reports	0912111	2	0912222	Dbase Concept & Design	0912111	3	
	0913213	Digital Hardware	0913121	3	0914223	Net. Protocols & E-Commerce Technology	0914214	3	
	0914214	Com. & Network Fund.	0911110	3	0622290	Business (1)	0912111	3	
	0817301	Discrete Math	0817208	3					
Total				16	Total				15
<b>3</b>	First Semester				Second Semester				
	Course #	Course Title	Prerequisite	Cr	Course #	Course Title	Prerequisite	Cr	
	0911310	Software Engineering	0911220 0912222	3	0911320	Computer Data Security and Privacy	0914223 0911221	3	
	0911311	Algorithm Analysis & Design	0817301	3	0911321	Language Theory & Finite Automata	0817125	3	
	0912312	Professional Responsibility	0912212	2	0912322	Human Computer Interaction	0911220	3	
	0913313	Computer Organization	0913213	3	0912323	Web-Based Systems	0914223 0912222	3	
	0817125	Logic & proof Techniques	0817301	3	0817302	Numerical Analysis	0817301	3	
	7401__	Islamic Study (3)	7401317	2					
Total				16	Total				15
<b>Summer</b>		<b>Practical (Co-op) Training</b>						0911330	3
<b>4</b>	First Semester				Second Semester				
	Course #	Course Title	Prerequisite	Cr	Course #	Course Title	Prerequisite	Cr	
	0911410	Project Proposal	Department Approval	2	0911420	Project Implementation	0911410	3	
	0911411	Artificial Intelligence	0817125	3	0911421	Selected Topics in CS	0911410	3	
	0911412	Mobile Computing	0914223	3	091__	Elective Course		3	
	091__	Elective Course		3	091__	Elective Course		3	
	7401__	Islamic Study (4)	7401317	2					
Total				13	Total				12
<b>Total Number of Units ((121))</b>									
<b>Elective Courses</b>									
0911413	Basic Language Translator (Compiler)			3	0911422	Multi Agents		3	
0911414	Modeling & Simulation			3	0911423	Computer Vision & Comp Graphics		3	
0911415	Advanced Programming Language			3	0911424	Advanced Operating Systems		3	
0912414	Data Mining & Warehousing			3	0911425	Mobile Applications Programming		3	