

Program Study Plan (Computer Science)

Code	Course Name	T	L	Cr	Code	Course Name	T	L	Cr
First Year									
011CSM-3	Introduction to Computer	2	1	3	012CSM-3	Computer Programming 1	2	1	3
011ENG-6	Intensive English Program 1	6	0	6	012ENG-6	Intensive English Program 2	6	0	6
001MATH-3	Mathematics 1	3	0	3	012MATH-3	Matrices Algebra	3	0	3
111IC1-2	The Entrance to the Islamic Culture	2	0	2	112IC1-2	Islamic Culture (2)	2	0	2
		13	1	14			13	1	14
Total Credit Required in Preparatory Program: 28									
Second Year									
104PHYS-4	Principles of Physics	3	1	4	114IC1-2	Islamic Culture (4)	2	0	2
113MATH-3	Differentiation & Integration	3	0	3	114CSM-4	Object-Oriented Programming (OOP)	3	1	4
113IC1-2	Islamic Culture (3)	2	0	2	115CSM-3	Algorithms & Data Structures 1	2	1	3
113CSM-4	Computer Programming 2	3	1	4	121ISM-3	Intro. to Information System	2	1	3
201ARAB-2	Arabic Language Skills	2	0	2	131CSM-3	Computational Geometry	2	1	3
					202ARAB-2	Arabic Editing	2	0	2
		13	2	15			13	4	17
Third Year									
216CSM-3	Algorithms & Data Structures 2	2	1	3	223ISM-3	Data Warehousing & Data Mining	2	1	3
217CSM-3	Statistical Programming	2	1	3	236CSM-3	Combinatorial Analysis of Comp.	2	1	3
222ISM-4	Databases Management Systems	3	1	4	241CSM-4	Digital Logic	3	1	4
233CSM-3	Computer Modeling & Simulation	2	1	3	251CSM-3	Operating System 1	2	1	3
234CSM-3	Computer Vision	2	1	3	278CSM-3	Programming Languages	2	1	3
		11	5	16			11	5	16
Fourth Year									
337CSM-3	Discrete Structures	2	1	3	334CSM-3	Computer Graphics	2	1	3
343CSM-3	Microprocessor & Assembly Language	2	1	3	344CSM-3	Computer Organization	2	1	3
345CSM-3	Theory of Compilers	2	1	3	352CSM-3	Operating System 2	2	1	3
364CSM-4	Computer Networks 1	3	1	4	362ISM-3	Internet Technology	2	1	3
375CSM-3	Introduction to Artificial Intelligence	2	1	3	371CSM-3	Software Engineering 1	2	1	3
		11	5	16			10	5	15
Fifth Year									
435ISM-3	Multimedia	2	1	3	473ISM-2	Computing Ethics & Society	2	0	2
463CSM-3	Computer Networks 2	2	1	3	474CSM-3	Design & Analysis of Algorithms	2	1	3
472CSM-3	Software Management Projects	2	1	3	476CSM-3	Expert System & Knowledge Engg.	2	1	3
473CSM-3	Software Engineering 2	2	1	3	481CSM-1	Seminar	1	0	1
483CSM-2	Project 1	2	0	2	482CSM-3	Selected Topics	2	1	3
					484CSM-3	Project 2	3	0	3
		10	4	14			12	3	15
Total credits required in Degree Program: 152									