



Guidance Plan for the Computer Science 2008 / 2009

Year	Semester	Module Number	Module Title	Prerequisites	Type of Requirements
First	First (18 Credit Hours)	110101	Arabic Language Skills (1)	-----	(UR)
		130101	English Language Skills (1)	-----	(UR)
		----	University Elective (1)	-----	(UR)
		750112	Programming Fundamentals	-----	(FR)
		210101	Mathematics (1)	-----	(SR)
	210104	Discrete Structures	-----	(SR)	
	Second (18 Credit Hours)	111101	National Education	-----	(UR)
		----	University Elective (2)	-----	(UR)
		130102	English Language Skills (2)	130101	(FR)
		721120	Object-Oriented Paradigms	750112	(FR)
731150		Introduction to Information Systems and Technology	750112	(FR)	
210103	Mathematics for Computing	210101	(SR)		
Second	First (18 Credit Hours)	721240	Computing Ethics	731150	(FR)
		731270	Introduction to Web Programming	750112	(FR)
		210231	Introduction to Statistics and Probabilities	-----	(SR)
		721210	Introduction to Software Engineering	731150	(DR)
		721211	Object Oriented Data Structures	721120+210104	(DR)
		750231	Logic Circuit Design	-----	(DR)
	Second (18 Credit Hours)	----	University Elective (3)	----	(UR)
		761211	Windows Programming	721120	(FR)
		761272	Multimedia Systems	-----	(FR)
		750223	Theory of Computation	210104	(DR)
750231	Computer Architecture	750231+731150	(DR)		
760261	Database Fundamental	721211	(DR)		
Third	First (18 Credit Hours)	----	University Elective (4)	----	(UR)
		731332	Systems Analysis and Design	760261 (or concurrently)	(DR)
		750321	Concepts of Programming Languages	721211	(DR)
		750322	Design and Analysis of Algorithms	210103+721211	(DR)
		750333	Principles of Operating Systems	750232	(DR)
	761340	Fundamentals of Computer Networks	721211	(DR)	
	Second (15 Credit Hours)	-----	University Elective (5)	-----	(UR)
		750324	Compiler Construction	750223	(DR)
		750334	Advanced Operating Systems	750333	(DR)
		750351	Artificial Intelligence	721211	(DR)
750398		Practical Training	721210	(DR)	
Fourth	First (12 Credit Hours)	750412	Advanced Programming	761211	(DR)
		750474	Digital Image Processing	750322	(DR)
		750499	Research Project	750398	(DR)
		-----	Department Elective 1	-----	(DR)
	Second (15 Credit Hours)	111100	Military Sciences	-----	(UR)
		750425	Advanced Data Structures and Algorithms	750322	(DR)
		750444	Information and Computer Networks Security	761340	(DR)
		750461	Advanced Databases	731332	(DR)
		-----	Department Elective 2	----	(DR)

(UR) University Req.

(FR) Faculty Req.

(DR) Dept. Req.

(SR) Supporting Req.

Date: 21/9/2008