



Guidance Plan for the Computer Information Systems Programme 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)	----	University Elective (3)	----	(UR)
		731270	Introduction to Web Programming	710104	(FR)
		761211	Windows Programming	721120	(FR)
		210231	Introduction to Statistics and Probabilities	----	(SR)
		721210	Introduction to Software Engineering	731150	(DR)
	721221	Object Oriented Data Structures	721120+210104	(DR)	
	Second (18 Credit Hours)	111100	Military Sciences	----	(UR)
		----	University Elective (4)	----	(UR)
		721240	Computing Ethics	731150	(FR)
		761272	Multimedia Systems	----	(FR)
750232		Computer Architecture	731150	(DR)	
760261	Database Fundamentals	721221	(DR)		
Third	First (18 Credit Hours)	----	University Elective (5)	----	(UR)
		731331	Database Applications	760261	(DR)
		731332	Systems Analysis and Design	760261 (or concurrently)	(DR)
		750322	Design and Analysis of Algorithms	210103 + 721221	(DR)
		750333	Principles of Operating Systems	750232	(DR)
	750351	Fundamentals of Artificial Intelligence	721221	(DR)	
	Second (15 Credit Hours)	721331	Software Project Management	731332	(DR)
		731351	Information Systems Modeling	731332	(DR)
		760398	Practical Training	Dept. Agrt.	(DR)
		761340	Fundamentals of Computer Networks	721221	(DR)
761373		E-Commerce Applications	731270	(DR)	
Fourth	First (12 Credit Hours)	760421	Information Security	750333	(DR)
		760463	Data Warehousing and Data Mining	731331	(DR)
		760443	Wireless and Mobile Computing	761340	(DR)
		761462	Information Retrieval	760261	(DR)
		----	Department Elective (1)	----	(DR)
	Second (15 Credit Hours)	760499	Research Project	760398	(DR)
		761442	Advanced Web Programming	731270	(DR)
		761467	Information Systems Testing	731351	(DR)
		----	Department Elective (2)	----	(DR)

(UR) University Req.

(FR) Faculty Req.

(DR) Dept. Req.

(SR) Supporting Req.

Date: 13/04/2009