

Study Plan of the Program of Computer Information Systems

Course ID	Course Title	Credit Hours	Contact Hours	Pre-requisite
First Year: First Term				
11030118	English Language 1	3	3	None
31041103	Calculus 1	4	4	None
41011151	Programming Basics	3	3	None
11010101	Islamic Education 1	2	2	None
41011153	Introduction to Information Technology and Communications	3	3	None
First Year: Second Term				
11030218	English Language 2	3	3	11030118
31031104	Physics 1	4	4	None
41011152	Introduction to Problems and Algorithms	3	3	None
41011154	English Language for Special Purposes	2	2	None
11020107	The Holy Quran	2	2	None
41011156	Scientific Programming	ε	3	None
Second Year: First Term				
41021231	Advanced Programming	ε	3	41011156
41021211	Foundations of Information Systems	3	3	None
41011212	Discrete Structures	3	3	None
41010132	Probability and Statistics	3	3	None
41011221	Database	3	3	None
41021261	Accounting for CIS	3	3	None
11010113	Voluntary Service	0	0	None
Second Year: Second Term				
11020204	Health Education	1	1	None
41021266	Data Structures and Algorithms	4	3	41011152
41031262	Enterprise Systems and Architecture	3	3	None
41011327	Web Development	ε	3	41021231
41021315	Systems Analysis and Design	3	3	None

41031266	Principles of management	3	3	None
11010113	Voluntary Service	0	0	None
Third Year: First Term				
41021379	Object Oriented Programming	4	3	41021231
41011314	Operating Systems	4	3	41021266
41011313	Software Engineering	4	3	41021231 Or 41021315
41021221	Data and Information Management	3	3	None
41031314	IT Infrastructure	3	3	41021211
11010117	Islamic Education 2	2	2	None
Third Year: Second Term				
41011321	Human-Computer Interaction	3	3	41021231
41021311	IS Project Management	3	3	41021315
41011213	Computer Networks	4	3	41011153
41021321	IS Strategy, Management and Acquisition	3	3	41021211
410xxxxx	Elective 1	3	3	None
11010112	Essay and Research Writing Skill	2	2	Earned 70 CH
Fourth Year: First Term				
41031481	Senior Project for CIS 1	3	3	Earned 85 CH and 41011313
41031413	Database Administration	4	3	41011221
41021322	Business Process Management	3	3	41021221
41011422	Information Security & Privacy	3	3	41031314
ελϛ1ε\۰ϛ	E-commerce	3	3	None
410xxxxx	Elective2	3	3	None
Fourth Year: Second Term				
41031480	Senior Project for CIS 2	3	3	41041481
41021414	Decision Models for Management	3	3	41021321
41021428	Ethics in Computing and Professional Issues	3	3	None
410xxxxx	Elective 3	3	3	None
410xxxxx	Elective 4	3	3	None

41031484	Selected Topic in Computer Information Systems	3	3	None
Electives				
41031990	Geographic information system	3	3	None
41031323	Systems Integration	3	3	41031990
41021324	IS Innovation and New Technologies	3	3	41031323
41031992	Enterprises resources planning (ERP)	3	3	41031323
41031991	Data Mining	3	3	None
41021413	Big Data	3	3	41031991
41011324	Intelligent Systems	3	3	41021413
41031993	Data Modelling and Simulation	3	3	41021413