IS Program Curriculum Requirement (Proposed)
149 credit hours (10 Semesters) = 27 Credit Hours (One year PYP) + 122 Credit Hours (four years)

PREPARATORY YEAR COURSES

LEVEL ONE

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
140TEC-2	Computer Skills	2	
140MATH-2	Introduction of Mathematics	2	
140SKL-2	Learning, Thinking and Research Skills	2	
140ENGG-2	English Language :Reading Skills	2	
141ENGG-2	English Language :Writing Skills	2	
142ENG-2	English Language :Listening and Speaking Skills	2	
143ENG-2	English Language :Grammar	2	
		14	

LEVEL TWO

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
150TEC-1	Technology	1	
150MAN-1	Occupational Ethics	1	
150MATH-4	Algebraic Sciences	4	
150SKL-2	Communication Skills	2	
150ENGG-3	English Language: Speaking	3	
151ENGG-2	Report Writing	2	
		13	

INFORMATION SYSTEMS DEPARTMENT COURSES

LEVEL THREE

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
111ISL-2	Introduction to Islamic Culture	2	
113ACC-3	Fundamentals of Financial Accounting	3	
211CSS-4	Fundamentals of Programming	4 (3 ,1 ,0)	
282MATH-3	Calculus 2	3	
241CIS-2	Fundamentals of Information Systems	2	
201ARAB-2	Arabic Language Skills	2	
		16	

LEVEL FOUR

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
112ISL-2	Introduction to Islamic Culture 2	2	
212CSS-4	Object Oriented Programming	4(3, 1, 0)	211CSS-4
283MATH-3	Discrete Mathematics	3	
251CIS-3	Information Systems Analysis and Design	3	
231CIS-3	E-Commerce	3 (2 , 1 ,0)	
		15	

LEVEL FIVE

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
113ISL-2	Islamic Culture 3	2	
202ARAB-2	Arabic Writing	2	
284MATH-3	Linear Algebra	3	
321CSS-3	Data Structures	3 (2 ,1 ,0)	211CSS-4
342CIS-3	Fundamentals of Databases	3 (2 ,1 ,0)	
333CIS-3	Management Information Systems	3	
		16	

LEVEL SIX

Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
285STAT-3	Probability and Engineering Statistics	3	
332CSS-3	Operating Systems	3 (2 ,1 ,0)	211CSS-4
313CIS-3	GUI Programming	3 (2 ,1 ,0)	
343CIS-3	Advanced Databases	3 (2 ,1 ,0)	342CIS-3
314CIS-4	Internet Application and Web Development	4 (3 ,1 ,0)	
		16	

LEVEL SEVEN			
Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
473CIS-2	Information Systems Ethics	2	
434CIS-3	Multimedia Information Systems	3 (2 ,1 ,0)	
435CIS-3	Distributed Information Systems	3 (2 ,1 ,0)	
461CIS-3	Computer Networks	3 (2 ,1 ,0)	
452CIS-3	Information Systems Engineering	3 (2 ,1 ,0)	251CIS-3
		14	

LEVEL EIGHT			
Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
415CIS-3	Mobile Applications Development	3 (2 ,1 ,0)	
462CIS-3	Networks Administration	3(2 ,1 ,0)	461CIS-3
463CIS-3	Information Systems Security	3(2 ,1 ,0)	
444CIS-3	Human Computer Interaction	3(2 ,1 ,0)	
445CIS-3	Data Science	3(2 ,1 ,0)	
		15	

SUMMER SEMESTER			
Course Code	Course Name	Credit Hour	Prerequisite
570CIS-4	Field Training	4	60 Credit Hours (Excluding Prep Year)

LEVEL NINE			
Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
571CIS-2	Graduation Project 1	2 (1, 1, 0)	452CIS-3
574CIS-3	Managing People and Organizations	2	
536CIS-3	Geographic Information Systems	3 (2, 1, 0)	
546CIS-3	Decision Support Systems	3	
538CIS-3	Selected Topics in Information Systems 1	3	
		13	

LEVEL TEN			
Course Code	Course Name	Credit Hour (Theory,Practical,Tutaring)	Prerequisite
572CIS-3	Graduation Project 2	3 (1, 2 , 0)	571CIS-2
537CIS-3	Social Informatics	2	
564CIS-3	Digital Forensic and Cyber Security	3(2 ,1 ,0)	463CIS-3
539CIS-3	Selected Topics in Information Systems 2	3	
114ISL-2	Islamic Culture 4	2	
		13	