

Old CS Program Curriculum Requirement (Curricula effective since First Semester 2008/2009)

133 credit hours (8 Semesters)=

27 Credit Hours (One year)

+ 106 Credit Hours (three years)

Level 1 (PY effective since 2008/2009)

Course Code	Course Name	Number of Credits	Pre-requisite
140TEC-3	Computer Skills	3	
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	
142ENGG-2	English Language: Listening and Speaking Skills	2	
143ENGG-2	English Language: Grammars	2	
Total Number of Credits		15	

Level 2 (PY effective since 2008/2009)

Course Code	Course Name	Number of Credits	Pre-requisite
150MAN-1	Occupational Ethics	1	
150MATH-4	Algebraic Sciences	4	140MATH-2
150SKL-2	Communication Skills	2	
150ENGG-3	English Language: Speaking	3	
151ENGG-2	Report Writing	2	
Total Number of Credits		12	

Level 3

Course Code	Course Name	Number of Credits	Pre-requisite
111ISL-2	Introduction to Islamic Culture	2	
201ARAB-2	Arabic skills	2	
104PHYS-4	Fundamentals of Physics	4	
111CSS-4	Programming Language 1	4	
106MATH-3	Introduction to Integration	3	
152MATH-3	Discrete Mathematics	3	
Total Number of Credits		18	

Level 4

Course Code	Course Name	Number of Credits	Pre-requisite
112ISL-2	Introduction to Islamic Culture 2	2	
202ARAB-2	Arabic writing	2	
342MATH-3	Linear Algebra	3	
113CSS-4	Programming Language 2	4	111CSS-4
324STAT-3	Probabilities and Engineering Statistics	3	
222CSS-3	Computer Organization and Assembly Language	3	111CSS-4
Total Number of Credits		17	

Level 5

Course Code	Course Name	Number of Credits	Pre-requisite
113ISL-2	Islamic Culture 3	2	
212CSS-3	Data Structures	3	111CSS-4
235CSS-3	Theory of Computation	3	
226CSS-2	Unix System Environment	2	111CSS-4
281CSS-3	Computer Graphics	3	111CSS-4 342MATH-3
333CSS-3	Computer Architecture for Computer Science	3	222CSS-3
330CSS-3	Programming Paradigms	3	113CSS-4
Total Number of Credits		19	
Level 6			
Course Code	Course Name	Number of Credits	Pre-requisite
227CSS-3	Operating Systems	3	226CSS-2
361CSS-3	Artificial Intelligence	3	
342CSS-3	Software Engineering	3	212CSS-4
380CSS-3	Fundamentals of Database Systems	3	
340CSS-3	GUI Programming	3	
457CSS-3	Internet Technologies	3	
Total Number of Credits		18	
Level 7			
Course Code	Course Name	Number of Credits	Pre-requisite
114ISL-2	Islamic Culture 4	2	
491CSS-4	Project 1	4	342CSS-3
345CSS-3	Compiler Design and Construction	3	235CSS-3
474CSS-3	Design and Analysis of Algorithms	3	212CSS-3
328CSS-3	Human and Computer Interaction	3	
329CSS-3	Data Communication and Computer Networks	3	227CSS-3
Total Number of Credits		16	
Level 8			
Course Code	Course Name	Number of Credits	Pre-requisite
492CSS-4	Project 2	4	491CSS-4
456CSS-3	Parallel and Distributed Systems	3	329CSS-3
429CSS-3	Computer Security	3	329CSS-3
440CSS-3	Social, Ethical and Professional Issues	3	
410CSS-3	Modern Topics in Computer Science	3	
Total Number of Credits		16	