COLLEGE OF ARTS AND SCIENCES

Department of Mathematical and Physical Sciences

Study Plan for Diploma in Computer Science

Year	Course Code	Course Name	Pre-requisites	Credit Hours	Course Code	Course Name	Pre-requisites	Credit Hours
	Semester One (Pre-Major)				Semester Two			
1	COMP101/L	Computer Skills	Comp A/B, Digital Literacy	3	COMP151/L	Introduction to Algorithms and Programming (C++)	COMP101/L	4
	MATH116	Pre-calculus I		4	PHYS101/L	General Physics I	MATH116	4
	ARAB100	Arabic Language I		3	HIST150	Islamic Civilization		3
	ENGL150	English Language I		3	ENGL152	English Language II	ENGL150	3
	STAT101	Introduction to Statistics		4	COMP111/L	Digital Logic Design	COMP101/L	3
			Semester Total	17			Semester Total	17
	Semester Three				Semester Four			
2	COMP 222/L	Object-Oriented Programming	COMP151/L	3	COMP255/L	Data Structure	COMP222/L	3
	COMP 233/L	Computer Architecture & Assembly Language	COMP111/L	3	COMP344/L	Software Engineering	COMP151/L	3
	ENGL155	Communication Skills	ENGL152	3	COMP277/L	Network and Communications	COMP111/L	3
	COMP221/L	Discrete Structures	MATH116, COMP151/L	3	COMP244/L	Database Concepts and Applications	COMP222/L	3
	COMP270/L	Web Development	COMP151/L	3	COMP300/L	Visual Programming	COMP222/L	3
			Semester Total	15			Semester Total	15
	Semester Five							
3	COMP355/L	Fundamentals of Operating Systems	COMP255/L	3				
	ARAB101	Arabic Language II	ARAB100	3				
	COMP299/L	Practical Project Work	Completed 60 CHrs, + Section Approval	2				
			Semester Total	8				
	Grand Total: 72							