Computer Science Information Technology Certificate of Achievement

Major Code: 0702.00 Total Units: 30

SLO#1 Understand the core components of operating systems & security. SLO#2 Design/develop/implement software program written in Assembly Language to solve business/computer hardware/scientific problems. SLO#3 Design/develop/implement/test software program which demonstrate the use of classes,

objects and file operations to solve business & scientific problems using C++ language

SLO#4 Design/develop/implement/test software program which demonstrate the use of data structures such as lists and queues/stacks to solve business, computer hardware and scientific problems using Java Language

Semester 1: Course CS 101 CIS 213 or (CIS 113)	Intro to Computer Science A+ software Intermediate Linux	Units 3 3	Semester 3: Course CS 213 CS 118	Advanced programming in Java Microcomputer Assembly	Units 3 3
CS Major Elective*		3	Total Units		6
Total Units		9	Semester 4:		
Semester 2: Course CS 116 CIS 211 CS Major Electiv	Programming in C++ Intro to Security e*	Units 3 3 3	CS 136 CS Major Elect Total Units Total Degree U		Units 3 3 6 30
Total Units	-	9	Total Degree (Jinto	50

*CS Major Elec	tives: Choose an additional 9 units from the following
CIS 185	(Direct Study- Computer Science - Information Technology)
CIS 285	(Direct Study- Computer Science - Information Technology)
CIS 101	(Intro to computer and their uses)
CS 119	(Programming in Python)
MIT 220	(Intro to Robotics)
CIS 120	(Database Design and Programming)
CIS 213	(A+ software)
CIS 113	(Intermediate Linux+)
CS 131	(Discrete Structure)
CS 216	(Object Oriented Programming in C++)
CIS 219	(Database Management Using Oracle)
CIS 148	(Web Development using HTML5 and CSS)
CIS 150	(Advanced Web Dev using Java Script and Ajax)
CS 140	(Programming for Mobile Devices)
CS 141	(Advance Programming for Mobile Devices)
CIS 115	(Advance Linux)
CIS 237	(Installing, Configuring and Administrating Microsoft SQL)