Computer Science Information Technology
Associate of Arts Degree

Major Code: 0702.00

Associate of Arts degree requires 30 units of major,21 units of G.E and 9 units any GE/CS/CIS

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	Units
CS 101 Intro to Computer Science	3
CIS 213 A+ software	3
(or CIS 113) Intermediate Linux	
GE Elective (see counselors)	6
Total Units	**12**

Semester 2:

Course	Units
CS 116 Programming in C++	3
CIS 211 Intro to Security	3
GE Elective	9
Total Units	**15**

Semester 3:

Course	Units
CS 213 Advanced programming in Java	3
CS 118 Microcomputer Assembly	3
GE Elective	6
Total Units	**12**

Semester 4:

Course	Units
CS 136 Data Structures	3
CS Major Elective*	9
Additional any GE/CS/CIS	9
Total Units	**21**
Total Degree Units	**60**

*CS Major Electives:

Choose an additional 9 units from the following courses:

CIS 185	**(Direct Study- Computer Science - Information Technology)**
CIS 285	**(Direct Study- Computer Science - Information Technology)**
MIT 220	**(Intro to Robotics)**
CIS 101	**(Intro to Computer and their uses)**
CS 119	**(Programming in Python)**
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 Dev HTML5 & 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)**