

## Associate of Arts Degree in Computer Science Information Technology

**\*AA degree requires 30 units of major courses, 21 units of G.E. plus 9 units of any CS/CIS/GE**

**\*Certificate of Achievement requires 7 required and 3 elective courses, total 30 units**

Course Number	Core or Elective	Course Title	Units	Sequence
CIS 112	Core	Operating Systems -Beginning Linux	3	Y 1 S 1
CIS 211	Core	Security+ Certification Preparation	3	Y 1 S 2
CS 101	Core	Introduction to Computer Science	3	Y 1 S 1
CS 116	Core	Programming in C++	3	Y 1 S 2
CS 118	Core	Beginning Micro Assembly Language	3	Y 2 S 1
CS 213	Core	Advanced Programming in Java	3	Y 2 S 1
CS 136	Core	Introduction to Data Structures	3	Y2 S 2
		<b>Restricted Elective Course List (9 units from the following)</b>	9	
CIS 120	Elective	Introduction to Databases (3 units)		Y 1 S 1
CIS 192	Elective	Introduction to Cloud Computing (3 units)		Y 1 S 2
CIS 213	Elective	A+ certification preparation software (3 units)		Y 1 S 1
MIT 220	Elective	Introduction to Robotics (3 units)		Y 1 S 1
CS 112	Elective	Programming in Java Script (3 units)		Y 1 S 2
CS 119	Elective	Programming in Python (3 units)		Y 1 S 2
CS 121	Elective	Python Programming for Data Science & Machine Learning (3 units)		
CS 131	Elective	Discrete Structure for Computer Science (3 units)		Y2 S 2
CS 140	Elective	Programming for Mobile Application (3 units)		Y 1 S 2
CS 159	Elective	Foundation of Data Science (3 units)		Y 1 S 2
CS 216	Elective	Object Oriented Programming in C++ (3 units)		Y 2 S 2
<b>Certificate</b>		<b>Total Units for Certificate of Achievement</b>	30	
		GE Plan Units	21	
		Unrestricted Elective Units (CS/CIS/GE)	9	
<b>AA degree</b>		<b>Total Units for AA degree</b>	60	

