COMPUTER INFORMATION TECHNOLOGY AAS 22DC

ASSOCIATE IN APPLIED SCIENCE A.A.S.

Description

The Computer Information Technology degree is designed to provide knowledge and skills needed for employment in the field of computer technology. The degree provides three specialty options: Computer Forensics, Network Administration and Security, and Web Programming. All three specialty options share a common core of general education and introductory computer courses. Each specialty option has its own unique core of courses and electives. To complete an A.A.S., students must meet the General Requirements on page xxx. In addition, students should select General Education electives (*) from those listed on page xxx.

Degree Requirements:

Required General Education Coursework		**Credit Hours:** (15 - 17 Required)
AMT122 or	Business Mathematics	3
MTH122 or	College Algebra	5
MTH Elective higher number than MTH 122		3
CMM111 or	Communication Skills	3
CMM121 or	Fundamentals of Speech	3
CMM128	Interviewing Practices	3
ENG121	English Composition I	3
Humanities or Fine Arts Elective (Recommend HUM 127, PHI 122 or PHI 125)		3
Social Sciences Elective (Recommended ECO 221 or ECO 222)		3

Required Computer Information Technology Coursework		**Credit Hours:** (15 Required)
CIT111 or	Comprehensive Spreadsheets	3
CIT112 or	Comprehensive Database	3
CIT139	CCNA I: Introduction to Networks	3
CIT120	Introduction to Computers	3
CIT132	Linux Operating System	3
CIT134	Introduction to Programming Concepts	3
CIT170	Web Page Development	3

Specialty Option		**Credit Hours:** (30 Required)
Select 30 hours from one of the specialty options below:		30

Specialty Option – Computer Forensics		**Credit Hours:** (0 Required)
CIT130	Operating Systems for A+ Certificate	3
CIT152	Network Security Fundamentals	3
CIT155	Intro to Computer Forensics	3
CIT256	Windows Forensic Analysis	3
CIT258	Network Forensics	4
CIT259	Topics in Computer Forensics	2
ELT151	PC Hardware Fundamentals	3
Computer Forensics Electives		9

Computer Forensics Electives   **Credit Hours:** (0 Required)

CIT139	CCNA I: Introduction to Networks	3
CRJ121	Intro to Criminal Justice	3
CRJ123	Introduction to Criminology	3
CRJ219	Prin of Criminal Investigation	3
CRJ222	Criminal Procedural Law	3
CRJ223	Ethics in Criminal Justice	3

Specialty Option – Network Administration and Cybersecurity   **Credit Hours:** (0 Required)

CIT131	Windows Operating System	3
CIT133	Network Automation	3
CIT151	Windows Server Administration	3
CIT152	Network Security Fundamentals	3
CIT252	Hardening the Infrastructure	3
CIT254	Advanced Windows Server Administration	3
Network Administration and Cybersecurity Electives		12

Network Administration and Cybersecurity Electives   **Credit Hours:** (0 Required)

CIT139	CCNA I: Introduction to Networks	3
CIT157	Configuring and Supporting Windows Devices	3
CIT159	CCNA II: Switching, Routing, and Wireless Essentials	3
CIT162	Ethical Hacking	3
CIT218	Cisco: Scaling Networks	3
CIT253	Network Defense and Countermeasures	3
CIT255	Server Virtualization Technologies	3
CIT261	Cybersecurity Analyst	3
CIT272	Enterprise Messaging Administration	3
ELT151	PC Hardware Fundamentals	3

Specialty Option – Web Programming   **Credit Hours:** (0 Required)

CIT113	Introduction to SQL	3
CIT138	Introduction to C# Programming	3
CIT141 or	Programming in C++	4
MCS141	Computer Science I	4
CIT171	Web Page Scripting	3
CIT173	PHP Programming	3
CIT174	Adobe Dreamweaver	3
Select at least one DMD course and two CIT courses for a minimum of 11 credit hours.		11

Total: 60.00 - 62.00