Information Technology - Networking, AAS

Information technology connects people, departments and companies for communication purposes. The technology of local area networks gives employees the ability to share and retrieve information at the group level. Combining local area networks with the Internet and telecommunications resources gives employees unlimited intranet access to information throughout the company and beyond. The associate of applied science degree in information technology provides students with a foundation in designing, installing, implementing, and securing computer networking resources. Course requirements include network operations and product-specific requirements for Microsoft, Linux and Cisco.

(Major Code 2330; State CIP Code 11.0901)

Networking & Cybersecurity Program web page (http://www.jccc.edu/academics/credit/networking-cybersecurity/)

Associate of Applied Science Degree

First Semester

ENGL 121	Composition I*	3
IT 120	CompTIA A+ Practical Applications	3
IT 141	Introduction to Networks	3
IT 230	Linux Fundamentals	3
Math Elective ^		3
Note: MATH 171 is recommended		
Total Hours		15

^   See all AAS general education electives (http://catalog.jccc.edu/degreerequirements/associate-applied-science/)

Second Semester

IT 150	Switching, Routing, and Wireless Essentials*	3
IT 155	Microsoft Administration Fundamentals*	3
IT 175	Cybersecurity Fundamentals*	3
IT 231	Linux Administration*	3
Social Science and/or Economics Elective^		3
Total Hours		15

^   See all AAS general education electives (http://catalog.jccc.edu/degreerequirements/associate-applied-science/)

Third Semester

Technical Elective (see below)		3
IT 202	IT Scripting*	3
IT 204	Enterprise Networking, Security and Automation*	3
IT 223	Azure Administration*	3
IT 224	Modern Desktop Administrator*	3
Total Hours		15

Fourth Semester

Technical Electives (see below)		9
IT 257	Cybersecurity Operations*	3
Communication Elective^		3
Humanities Elective^		3
Total Hours		18

^   See all AAS general education electives (http://catalog.jccc.edu/degreerequirements/associate-applied-science/)

Technical Electives

CIS 142	Beginning Programming using Python	4
CPCA 121	Introduction to Project Management*	1
ELEC 185	LAN Cabling and Installation	3
ELEC 186	CompTIA A+ Essentials	3
IT 206	Network Security Fundamentals*	3
IT 238	Digital Forensics*	3
IT 239	Ethical Hacking*	3
IT 271	Information Technology Internship I*	3
IT 272	Information Technology Internship II*	3
IT 292	Special Topics:*	1-3

Total Program Hours: 63