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 and implementing computer networking resources. Course requirements include network operations and product-specific requirements for Windows, Linux and Cisco.

(Major Code 2330; State CIP Code 11.0901)

Associate of Applied Science Degree

First Semester

IT 140	Networking Fundamentals	4
IT 205	Implementing Windows Client	3
IT 230	Linux Fundamentals	3
ENGL 121	Composition I*	3
Social Science and/or Economics Elective ^		3
Total Hours		16

^   See all AAS general education electives (http://catalog.jccc.edu/archives/2018-2019/degreerequirements/associate-applied-science)

Second Semester

IT 145	Routing and Switching Essentials*	3
IT 221	Windows Server*	3
IT 231	Linux Administration*	3
MATH 171	College Algebra*	3
ENGL 122	Composition II*	3
or ENGL 123	Technical Writing I*	
Total Hours		15

Third Semester

Technical Elective (see below)		2
IT 201	Network Security Fundamentals*	4
IT 209	Scaling Networks*	4
IT 225	Windows Active Directory Services*	3
IT 245	Network Infrastructure*	3
Total Hours		16

Fourth Semester

Technical Electives (see below)		7
IT 247	Accessing Wide Area Networks*	3
SPD 121	Public Speaking	3
or SPD 125	Personal Communication	
Humanities Elective^		3
Total Hours		16

^   See all AAS general education electives (http://catalog.jccc.edu/archives/2018-2019/degreerequirements/associate-applied-science)

Technical Electives

CS 134	Programming Fundamentals	4
CPCA 121	Introduction to Project Management*	1
ELEC 185	LAN Cabling and Installation	3

IT 203	Voice Over IP Fundamentals*	4
IT 120	CompTIA A+ Practical Applications	3
IT 228	Exchange Server*	3
IT 232	Linux Networking*	4
IT 233	Linux Advanced Administration*	4
IT 238	Digital Forensics*	3
IT 239	Ethical Hacking*	3
IT 256	Windows Security*	4
IT 271	Information Technology Internship I*	3
IT 272	Information Technology Internship II*	3
IT 292	Special Topics:*	1-3

Total Program Hours: 63