Information Technology - Networking, A.A.S.

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)

- Information Technology (http://www.jccc.edu/information-technology)

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

^   Social Science and/or Economics Elective (http://catalog.jccc.edu/fall/degreecertificates/electives/social-sci-econ-aas)

Second Semester

IT 221	Windows Server*	3
IT 209	LAN Switching*	4
IT 145	Routing Protocols and Concepts*	3
MATH 171	College Algebra*	3
ENGL 122	Composition II*	3
or ENGL 123	Technical Writing I*	
Total Hours		16

Third Semester

Technical Elective (see below)		3
IT 225	Windows Active Directory Services*	3
IT 231	Linux Administration*	3
IT 247	Accessing Wide Area Networks*	3
Humanities Elective ^		3
Health and/or Physical Education Elective ^^		1
Total Hours		16

^   Humanities Elective (http://catalog.jccc.edu/fall/degreecertificates/electives/humanities-aas)

^^   Health and/or Physical Education Elective (http://catalog.jccc.edu/fall/degreecertificates/electives/health-and-or-physical-ed-aas)

Fourth Semester

Technical Electives (see below)		6
IT 245	Network Infrastructure*	3
IT 251	Network Security Fundamentals*	4
SPD 121	Public Speaking	3
or SPD 125	Personal Communication	
Total Hours		16

Technical Elective

CS 134	Programming Fundamentals	4
CPCA 121	Introduction to Project Management*	1
ELEC 126	Microcomputer A+ Preparation	4
ELEC 185	LAN Cabling and Installation	3
ELEC 250	Microcomputer Maintenance*	3
IT 203	Voice Over IP Fundamentals*	4
IT 228	Exchange Server*	3
IT 232	Linux Networking*	4
IT 233	Linux Advanced Administration	4
IT 249	Advanced Routing*	3
IT 250	Networking Seminar*	3
IT 253	Advanced Switching*	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: 64