COMPUTER NETWORK ARCHITECTS

Computer network architects design and build data communication networks, including local area networks (LANs), wide area networks (WANs), and intranets. These networks range from small connections between two offices to next-generation networking capabilities such as a cloud infrastructure that serves multiple customers.

THESE ARE THE THINGS I DO ON A DAILY BASIS:

- Create plans and layouts for data communication networks
- Present plans to management and explain why they are in the organization's best interest to pursue them
- Consider information security when designing networks
- Upgrade hardware, such as routers or adaptors, and software, such as network drivers, as needed to support computer networks
- Research new networking technologies to determine what would best support their organization in the future

Why this job is a good fit?

▶ Working Conditions

▶ Independence

▶ Achievement

Tools I use

▶ Computer servers

▶ Network analyzers

▶ Network channel service units

▶ Network switches

▶ Server load balancer

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

DESIRE.

Why I enjoy my job as a
Computer Network Architect:

- ▶ Using multiple abilities, leading to a feeling of accomplishment
- ▶ Work value offers job security and good working conditions
- ▶ Able to make independent decisions

IMPORTANT SKILLS AND ABILITIES FOR THE JOB:

- ▶ Analytical skills
- ▶ Leadership skills
- ▶ Critical-thinking skills
- ▶ Interpersonal skills
- ▶ Organizational skills

INSPIRE.

CERTIFICATE	2 YEAR DEGREE	4 YEAR DEGREE	MASTER'S DEGREE
Cisco Network Associate	Network Administrator	Information Technology Manager	Network Systems Director
Microsoft Network Administrator	IT Network Technician	Network Systems Administrator	Network Analyst
Microsoft Enterprise Administrator		Telecommunications Engineering Specialist	Network Engineer
Net+ Technician / Security+ Technician		Network Support Specialist	Computer Network Architect

GO HIGHER.

CREDENTIALS OFFERED:

Check for credential specifics at your KCTCS Home College!!

CERTIFICATES

CISCO NETWORK ASSOCIATE / MICROSOFT NETWORK ADMINISTRATOR / SECURITY+
NET+ / A+/ PROGRAMMING / COMPUTER TECH BASIC / COMPUTER TECHNICIAN
SUPPORT TECHNICIAN / MOBILE APPS DEVELOPMENT / WEB PROGRAMMING

DEGREES

IT NETWORK ADMINISTRATION / PROGRAMMING / APPLICATIONS

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