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Computer Visions Course Outline

Get What You Want

We offer highly customizable group training courses: desktop applications, web development, networking & operating systems, technical certification, professional development & skills, help desk.

Get It When & Where You Want It

All Computer Visions courses are available for presentation on-site or off-site for your convenience. We can roll out any combination of courses at one or more locations anywhere in the United States, according to your requirements and time table. Just let us know and we'll work with you!

Corporate Training Solutions

Corporations look to us to train their employees. Why? Because our proven training methods have increased employee proficiency and productivity. We assign one person to each of our corporate clients to ensure quality service, and we also offer extranet Web registration, management, reporting and billing for all clients. Simplicity, quality and outstanding service are our hallmarks.

Consulting Solutions

CompTIA: Network+ Certification N10-007

Description:

This course is designed to provide network technicians with the foundation-level skills they need to install, operate, manage, maintain, and troubleshoot a corporate network. This course will help prepare students for the CompTIA Network+ N10-007 certification exam. Remember that a course alone cannot prepare students for any CompTIA exam. It is important that students have the recommended work experience in IT networking prior to taking the exam. For the CompTIA Network+ N10-007 certification, CompTIA recommends students have CompTIA A+ certification, or equivalent experience, and 9 to 12 months of hands-on experience in IT networking.

Course Outline:

Unit 1: Networking basics

Topic A: The OSI and TCP/IP models

Topic B: The OSI model and network components

Unit 2: Networking ports and protocols

Topic A: Common networking protocols

Topic B: The Domain Name System

Topic C: Dynamic Host Configuration Protocol

Topic D: Common TCP and UDP ports

Topic E: IP addressing

Unit 3: Routing and switching

Topic A: Routing

Topic B: Installing routers and switches

Unit 4: Networking technologies

Topic A: Network topologies

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Topic B: LAN technologies

Topic C: WAN technologies

Topic D: Virtual networks

Unit 5: Media and connectors

Topic A: Standard media types

Topic B: Standard connector types

Topic C: Wiring distribution components

Unit 6: SOHO networking

Topic A: Implementing a SOHO network

Unit 7: Wireless networking

Topic A: Wireless standards

Topic B: Installing and configuring wireless networks

Topic C: Implementing wireless security

Unit 8: Monitoring and optimization

Topic A: Network hardware tools

Topic B: Network software tools

Topic C: Monitoring and analyzing network traffic

Topic D: Optimizing network performance

Topic E: Network appliances

Unit 9: Network access

Topic A: Network access security methods

Topic B: User authentication

Unit 10: Network security

Topic A: Network security threats

Topic B: Threat mitigation

Topic C: Network security appliances and methods

Topic D: Installing and configuring a firewall

Unit 11: Troubleshooting

Topic A: Troubleshooting methodology

Topic B: Management documentation

Topic C: Troubleshooting physical connectivity problems

Topic D: Troubleshooting routers and switches

Topic E: Troubleshooting wireless network problems