



Course Features

- Instructor-led training online
- Custom Multimedia presentations
- Live instructor support
- Live virtual labs
- **Free Upgrades**
- **Money-back guarantee***

Live Instructor Support Package

- Participate in our live technical webinars featuring our in-house instructors.
- Speak off-line directly with our instructors.

Live Classroom Training and Remote Virtual Boot Camps

- Customized training solutions for individuals and organizations. Call for information.

Live Virtual Labs

- Login to a virtual machine and practice with real equipment
- Chat with instructors and other students around the world

Also Available

IT Certification Training Course Library Packages

BUOB's IT Training Course Library Subscriptions offer our entire range of training courses at substantial cost savings.

- CompTIA one-year library
- Microsoft one-year library
- Cisco one-year library
- Complete IT one-year library

BUOB Computer Training™ Virtual Classroom CompTIA Network+ 2012: Certification Training Course (Exam N10-005)

CompTIA's Network+ is a vendor-neutral certification that validates technical competency in networking administration and support. The Network Plus certification confirms a technician's critical knowledge of media and topologies, protocols and standards, network implementation and network support. The exams also cover domains such as security, safety and environmental issues and communication and professionalism.

The CompTIA Network+ 2012 Certification Training Course from BUOB Computer Training measures the necessary competencies for an IT professional with approximately nine months experience in network support or administration. Students will learn the knowledge and skills needed to install, manage and troubleshoot a variety of networks on any platform.

BUOB Computer Training's Network Plus training course follows the CompTIA authorized curriculum, ensuring you receive the training and knowledge needed to succeed. BUOB Computer Training is so certain this class meets and exceeds the exam objectives, *we guarantee you will pass your exam!**

**If you fail the same exam covered by BUOB Computer Training's training on two (2) attempts within 180 days of purchase, a refund will be issued for the corresponding training package.*



COURSE OUTLINE

Module 1 - Networking Concepts

• Section 1 - Models and Devices

- Logical vs Physical
- The OSI Model
- The TCP/IP Model
- OSI vs TCP Models
- Common Devices
- Bridges
- Routing and Switching
- Routing Terms
- Routing Protocols
- Switching
- Summary
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• Section 2 - Network Addressing

- Addressing
- IPV4 and IPV6 Examples
- IPV4 Classes/Ranges
- IPV4 Private Address Spaces
- Special Addresses
- Binary Primer
- Classful Addresses
- Subnetting Basics
- Classless Addresses
- Summary

• Section 3 - Ports, Protocols and DNS

- Ports and Protocols
- Common Ports
- Common Protocols
- Domain Name System
- Google Servers
- Record Types
- Recursive Query
- Iterative Query
- Disabling Recursion
- Summary

• Section 4 - Virtual Networks and Troubleshooting

- Virtual Networks
- VN Components
- Network Troubleshooting
- OSI/TCP Models

- Ping Demo
- IPconfig Demo
- NSlookup Demo
- NetStat Demo
- Terminal Demo
- TelNet Demo
- Putty Demo
- Utilities Demo
- Summary

Module 2 - Installation and Configuration

• Section 1 - Switches and Routers

- Basics
- Switches
- Routers
- Hardware
- Router and Switch Problems
- Summary

• Section 2 - Wireless

- Wireless Installation Concepts
- Wireless Standards
- Common Wireless Problems
- Field Experience
- Summary
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Section 3 - Dynamic Host Configuration Protocol

- Basics
- Process
- DHCP Options Demo
- Summary

• Section 4 - Small Office/Home Office

- SOHO Requirements
- Cable Requirements
- Device Requirements
- Equipment Limitations
- Compatibility Requirements
- Summary
- Module 3 - Media and Topologies

• Section 1 - Standard Media and Connectors

- Types and Properties
- Transmission Speeds
- Plenum and Broadband
- Media Converters
- Standard Connectors
- Copper Connectors
- Ethernet Cables
- Physical Problems
- Summary

• Section 2 - Wide and Local Area Networks

- WAN Types
- WAN Properties
- LAN Types
- LAN Properties
- Wiring Distribution Components
- Summary

• Section 3 - Network Topologies

- Standards
- Channelization
- Latency
- Network Topologies
- Star and Hybrid
- PTP
- MPLS
- Summary
- Topologies Demo
- Home Office Demo
- Cloud/NaaS Demo
- Small Office Demo
- Medium Office Demo

Module 4 - Network Management

• Section 1 - Documentation and Monitoring

- Documentation
- Configuration Management
- Network Monitoring
- Network Appliances
- Summary

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- **Section 2 - Hardware and Software**

- Hardware Tools
- Software Tools
- Summary

- **Section 3 - Performance Optimization**

- Reasons
- Methods
- Summary

Module 5 - Network Security

- **Section 1 - Wireless Security**

- Encryption Keys
- Symmetric Key
- Asymmetric Key
- Wireless Encryption
- Filtering
- Device Placement
- Summary

- **Section 2 - Network Access**

- Access Control List
- Tunneling/Encryption
- Remote Access
- Authentication
- Summary

- **Section 3 - Threats and Mitigation**

- Wireless
- Attack Types
- Viruses
- Mitigation
- Summary

- **Section 4 - Appliances and Physical Security**

- Firewalls
- Rules
- Appliances
- Physical Security
- Summary
- Course Review