



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 for CompTIA A+ 2011: Essentials (220-701) & Practical Application (220-702)

BUOB Computer Training offers you the most effective way to earn your CompTIA A+ certification. BUOB Computer Training's CompTIA A+ Essentials & Practical Application teaches students the competence in areas such as installation, preventative maintenance, networking, security, troubleshooting, customer service and communication skills to work with clients. After completing this course, students will know hardware, laptops, motherboards, processors, memory, CPU, troubleshooting theory, preventative maintenance techniques, Windows XP, Windows Vista, Windows 7, cables, connectors, network types, SOHO network, security concepts, security technologies, viruses, malware, communication and professionalism.

CompTIA A+ Essentials measures the necessary competencies of an entry-level IT professional with a recommended 500 hours of hands-on experience in the lab or field. It tests for the fundamentals of computer technology, networking and security, as well as the communication skills and professionalism now required of all entry-level IT professionals.

CompTIA A+ Practical Application is an extension of the knowledge and skills identified in CompTIA A+ Essentials, with more of a "hands-on" orientation focused on scenarios in which troubleshooting and tools must be applied to resolve problems.

As a CompTIA Partner, BUOB Computer Training's course curriculum is either CAQC (CompTIA Authorized Quality Curriculum) or in the process of becoming CAQC, ensuring you receive the training and knowledge needed to succeed. BUOB Computer Training is so certain this course 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

Introduction & Overview

- Course Overview
- Domains 1 & 2
- Domains 3 & 4
- Domains 5 & 6
- Summary

Domain 1 - Hardware

- Storage - Devices and Backup Media
- Storage - Hard Drive Internals
- Storage - EIDE Master / Slave
- Storage - Serial ATA (SATA)
- Storage - Hard Drive to USB Adapter
- Storage - SCSI
- Storage - Thumb Drives
- Storage - Working Inside the Chassis
- Motherboards - Components, Types & Features
- Motherboards - Chipsets and Firmware
- Motherboards - BIOS Configuration
- Motherboards - Input Devices
- Motherboards - Expansion Slots and Cards
- Power Supply Types & Characteristics
- CPU Characteristics & Cooling Methods
- Memory Types, Characteristics & Purpose
- Display Devices & Characteristics
- Laptops - Components & Features
- Laptops - Wireless Networking
- Laptops - Power Management
- Laptops - LCD Display
- Laptops - Inputs and Function Keys
- Laptops - Disassembly
- Laptops - Reassembly
- Printer Installation & Configuration
- Tools, Troubleshooting & Cleaning
- Summary
- Basic Input/Output System Setup
- Disassembly, Reassembly and Upgrading
- Identifying Cables and Connectors
- Parts of a Laptop
- IDE/ATA Interface
- Microprocessors
- Laser Printing
- Review Quiz

Domain 2 - Troubleshooting, Repair & Maintenance

- Troubleshooting Theory & PM Techniques
- Summary
- Monitor Adjustments
- Command Line Functions and Utilities
- Maintenance Software and Procedures
- Memory Troubleshooting
- 2.0 - Exam Overview
- Operating Systems Overview
- 2.1 - Troubleshoot and Resolve Problems
- MSCONFIG and DIR
- CHKDSK
- Edit, Copy, and Xcopy
- Format, IPCONFIG, Ping, MD, CD and RD
- NET Command-line Utility
- TRACERT and NSlookup
- SFC
- 2.1 Review
- 2.2 - Windows OS Directory Structures
- User File Locations
- 2.2 Review
- 2.3 - Use System Utilities
- Disk Management Tools
- Disk Manager
- System Monitor
- Administrative Tools
- Device Manager
- Task Manager
- System Information
- System Restore
- Remote Desktop Protocols
- Task Scheduler
- Regional and Language Settings
- 2.3 Review
- 2.4 - Evaluate and Resolve Common Issues
- Windows Specific Printing Problems
- Auto Restart Errors
- System Lockup
- Device Manager
- Application Installation Failure

- Service Fails to Start
- Error Messages and Conditions
- 2.4 Review
- Review Quiz

Domain 3 - Operating System & Software

- Windows Operating Systems & Features
- Windows XP Professional (WinXP Pro)
- Windows 7
- Windows Explorer
- My Computer & My Network Places
- Remove USB Drives
- Control Panel
- Admin Tools, Performance Monitor & Event Viewer
- Computer Management
- Device Manager
- Auto Updates, Date/Time, Themes & Wallpaper
- Settings & Folder Options
- Network Connection
- Phone, Modem & Power Options
- Printers & Faxes
- Tools
- User Account
- Accessories Menu
- System Tools & Properties
- Remote Assistance
- Command Prompt
- Operating System Comparison
- Task Manager, Search Capability & System Configuration Utilities
- Windows Installation
- System Registry, Registry Tools & Recovery Options
- Add and Configure Hardware
- Start Up Options for Alternative Boot & Safe Mode
- System Backup
- Major System Files
- System Restore

continued, next page



- Boot Sequence Error, Recovery Methods & Console
- Power Options
- Windows Vista Ultimate (WinVista)
- Add a Printer
- Vista Installation
- Welcome Screen/Out Of Box Experience
- Side Bar/ Left Side of Start Menu, All Programs & Maint
- System Tools & Task Scheduler
- Right Side of Start Menu
- Control Panel
- Performance Maintenance & System Maintenance
- Security & Network
- Hardware & Sound
- Programs, Mobile PC & Users
- Appearance
- Media Center
- Windows 2000 Professional (Win2K)
- Module Summary - Operating Systems and Software
- 3.1 - Essentials Overview
- Domain 3 Overview
- Compare Windows Operating Systems
- 3.2 - User Interfaces
- Action Center
- Firewall
- System
- Control Panel: System and Security Tools
- Administrative Tools
- Network and Sharing Center
- Hardware and Sound
- Programs
- User Accounts
- Appearance and Personalization
- Clock, Language and Region
- Command Prompt Utilities
- Run Line Utilities
- My Network Places
- Microsoft Management Console
- Task Manager: Snapshot
- 3.2 Review
- 3.3 - Install and Configure Windows
- Hardware Compatibility and Minimum Requirements
- Installation Methods and Options
- Directory Structures

- File Creation, Extensions, Attributes and Permissions
- Device Manager
- User State Migration Tool
- Virtual Memory
- Configuring Power Management
- Safely Removing Peripherals
- 3.4 - Boot Sequence, Device Priority and Boot Options
- 3.4 Review
- Review Quiz

Domain 4 - Networking

- Basics of Networking Fundamentals
- Cables and Connectors
- Network Types
- Small Office Home Office (SOHO) Network
- Summary
- Internet Connection Speed
- Network Protocols
- 4.1 - Networking Fundamentals
- Addressing
- 4.1 Review
- Essentials Exam Review
- 4.2 - Network Security
- Local Users and Groups and User Access Control
- NTFS Permissions
- Permission Inheritance
- Permissions: Copy or Move a File
- Attributes of NTFS Files and Folders
- Shared Files and Folders
- System Files and Folders
- User Authentication
- 4.2 Review
- A+ Addendum Review
- Review Quiz

Domain 5 - Security

- Security Concepts & Technologies
- Prevention & Removal of Viruses/Malware
- Summary
- Understanding Windows Firewall
- NTFS Permissions
- Review Quiz

Domain 6 - Operational Procedure

- Communication & Professionalism
- Summary
- Material Safety Data Sheets (MSDS)
- CompTIA A+ Acronyms
- Review Quiz

Course Summary