



# BREWSTER TECHNOLOGY

## COMPUTER TRAINING & SERVICE

www.brewstertech.com

16 MOUNT EBO ROAD SOUTH, SUITE 18 • BREWSTER • NEW YORK • 10509  
Phone - (845) 279-9400 • Fax - (845) 279-9413

### What's in CompTIA A+:

CompTIA A+ certification validates the latest skills needed by computer support professionals, and confirms a technician's ability to perform tasks such as installation, configuration, diagnosing, preventive maintenance and basic networking. There is no I.T. experience necessary to attend this class.

### Target Audience:

Individuals looking to start a career in I.T.

### Prerequisites:

No I.T. experience required.

### Duration:

60 hours



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### Topics Covered:

#### Hardware Fundamentals

- Personal Computer Components
- Storage Devices
- Mobile Digital Devices
- Connection Interfaces

#### Operating System Fundamentals

- PC and Mobile Operating Systems
- PC Operating System Tools and Utilities

#### Networking and Security Fundamentals

- Network Types
- Network Components
- Common Network Services
- Cloud Concepts
- Security Fundamentals

#### Safety and Operational Procedures

- Basic Maintenance Tools and Techniques
- Personal and Electrical Safety
- Environmental Safety and Materials Handling
- Professionalism and Communication
- Organizational Policies and Procedures
- Troubleshooting Theory

#### Supporting Display Devices

- Install Display Devices
- Configure Display Devices
- Troubleshoot Video and Display Devices

#### Installing and Configuring Peripheral Components

- Install and Configure Input Devices
- Install and Configure Output Devices
- Install and Configure Input/Output Devices
- Install and Configure Expansion Cards

#### Managing System Components

- Identify Motherboard Components and Features
- Install and Configure CPUs and Cooling Systems
- Install Power Supplies
- Troubleshoot System Components

#### Managing Data Storage

- Identify RAM Types and Features
- Troubleshoot RAM Issues
- Install and Configure Storage Devices
- Configure the System Firmware
- Troubleshoot Hard Drives and RAID Arrays

#### Installing and Configuring Microsoft Windows

- Implement Client-Side Virtualization
- Install Microsoft Windows
- Use Microsoft Windows
- Configure Microsoft Windows
- Upgrade Microsoft Windows

#### Optimizing and Maintaining Microsoft Windows

- Optimize Microsoft Windows
- Back Up and Restore System Data
- Perform Disk Maintenance
- Update Software

#### Working With Other Operating Systems

- The OS X Operating System
- The Linux Operating System

#### Customized Client Environments

- Types of Common Business Clients
- Custom Client Environments

#### Networking Technologies

- TCP/IP Properties and Characteristics
- TCP/IP
- Internet Connections
- Ports and Protocols
- Networking Tools



### Topics Covered (Continued):

#### **Installing and Configuring Networking Capabilities**

- Configure Basic Windows Networking
- Configure Network Perimeters
- Using Windows Networking Features
- Install and Configure SOHO Networks

#### **Supporting Mobile Digital Devices**

- Install and Configure Exterior Laptop Components
- Install and Configure Interior Laptop Components
- Other Mobile Devices
- Mobile Device Accessories and Ports
- Mobile Device Connectivity

- Mobile Device Synchronization
- Troubleshoot Mobile Device Hardware

#### **Supporting Printers and Multifunction Devices**

- Printer and Multifunction Technologies
- Install and Configure Printers
- Maintain Printers
- Troubleshoot Printers

#### **Security Threats, Vulnerabilities, and Controls**

- Common Security Threats and Vulnerabilities
- General Security Controls
- Mobile Security Controls
- Data Destruction and Disposal Methods

#### **Implementing Security Controls**

- Secure Operating Systems
- Secure Workstations
- Secure SOHO Networks
- Secure Mobile Devices

#### **Troubleshooting System-Wide Issues**

- Troubleshoot PC Operating Systems
- Troubleshoot Mobile Device Operating Systems and Applications
- Troubleshoot Wired and Wireless Networks
- Troubleshoot Common Security Issues