

Certified Wireless Technician

Radio Frequency (RF) Fundamentals

- Describe RF Signal Characteristics
- Explain RF behaviors and signal propagation
- Understand how to detect RF signal factors

Antennas and Accessories

- Describe the basic differences among antenna types
- Select the appropriate external antenna when required

802.11 Channels and Operations

- Create basic RF channel plans
- Explain the basic WLAN location process
- Describe the basic steps required in the WLAN connection process
- Determine the channels and streams supported by client devices

WLAN Clients: Features and Capabilities

- Describe client types and varying capabilities
- Determine the channels and streams supported by client devices

WLAN Clients: Configuration and Management

- Configure client devices

WLAN APs: Hardware and Mounting

- Identify AP features and capabilities and understand configuration options related to them
- Select appropriate mounting kits for a specified installation location
- Ensure proper PoE provisioning when required

WLAN APs: Configuration and Management

- Configure APs as standalone devices
- Validate AP wired interface connectivity
- Validate proper AP WLAN configuration

WLAN Security

- Understand the basics of 802.11 security solutions
- Identify legacy security technologies that should not be used
- Configure security parameters in an AP

- Configure security parameters in a client device

Troubleshooting Connection Issues

- Troubleshoot connectivity problems
- Troubleshoot performance problems
- Troubleshoot security problems
- Troubleshoot mobility problems