

Certified Wireless Infrastructure Technician (CWIT) Training

2027 5 - 1
Online

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Day 2: Wireless Network Planning and Design

- Conducting site surveys and RF planning.
- Capacity planning and wireless coverage optimization.
- Selecting and positioning antennas for optimal performance.
- Addressing security considerations in wireless network design.

Day 3: Wireless Infrastructure Installation

- Understanding cabling systems and connectors used in wireless networks.
- Installing access points and antennas.
- Implementing Power over Ethernet PoE for wireless devices.
- Grounding practices and lightning protection for network infrastructure.

Day 4: Network Configuration and Testing

- Configuring wireless controllers and network settings.
- Setting up SSIDs and VLANs for wireless networks.
- Implementing wireless security protocols.
- Performing performance testing and network optimization.

Day 5: Troubleshooting and Site Management

- Identifying and resolving common wireless network issues.
- Using wireless analysis and diagnostic tools.
- Maintaining documentation and reporting system performance.
- Planning ongoing maintenance and infrastructure upgrades.

Individual Impact

- Gain practical expertise in wireless network planning and deployment.
- Strengthen technical troubleshooting and diagnostic skills.
- Improve understanding of wireless technologies and infrastructure design.
- Build confidence in managing enterprise wireless systems.

Work Impact

- Improve reliability and performance of organizational wireless networks.
- Reduce downtime through effective troubleshooting and maintenance.
- Support secure and scalable wireless connectivity for modern workplaces.
- Ensure compliance with industry standards and regulatory requirements.

A graphic of a chessboard with several pawns and a king piece. The king piece is gold and stands prominently on the right side of the board. The pawns are silver and gold. The board is checkered and has a subtle grid pattern.

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Training Methodology

This course combines technical theory with practical, hands-on learning to ensure real-world competence. Learning methods include:

- Instructor-led technical demonstrations.
- Hands-on labs for wireless installation and configuration.
- Real-world troubleshooting exercises.
- RF analysis and site survey practice.
- Practical tools and templates for wireless network management.

Beyond the Course

By the end of the program, participants will be able to:

- Plan and deploy enterprise-grade wireless infrastructure.
- Configure and optimize wireless networks for performance and reliability.
- Diagnose and resolve wireless connectivity issues efficiently.
- Maintain documentation and support long-term wireless network management.

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