

Certified Wireless Infrastructure Technician (CWIT) Training

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Paris (France)

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R202219850179737008027 Location: Paris (France) Fees: 5900 GBP

Why This Course

Wireless connectivity has become a fundamental component of modern infrastructure, supporting mobile devices, cloud services, and digital business operations. As organizations increasingly rely on robust wireless networks, skilled technicians are needed to design, install, and maintain reliable and secure wireless infrastructure.

The Certified Wireless Infrastructure Technician CWIT program is an intensive 5-day course that equips participants with the technical knowledge and practical skills required to deploy and manage enterprise-grade wireless networks. Through a combination of theoretical instruction and hands-on practice, participants will learn how to plan wireless coverage, install network equipment, troubleshoot connectivity issues, and ensure compliance with industry standards.

What You'll Learn and Practice

By participating in this program, you will:

- Plan and implement reliable wireless network coverage for high-speed mobile connectivity.
- Configure and troubleshoot wireless infrastructure and network devices.
- Conduct wireless coverage surveys and analyze RF performance.
- Apply industry standards, regulations, and best practices in wireless deployment.
- Use testing tools and OEM software to monitor network performance.
- Manage site documentation and maintain accurate system records.

The Program Flow

Day 1: Fundamentals of Wireless Communications

- Understanding the principles of wireless networking.
- Overview of wireless standards and communication protocols.
- Fundamentals of radio frequency RF and spectrum management.
- Wireless network architectures and system components.

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A graphic of a chessboard with several chess pieces, including a king and pawns, positioned on the board. The board is white and black, and the pieces are gold and silver.

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.

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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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