



GigaWave Technologies, an authorized Cisco Learning Partner, offers innovative training services, curriculum development and certification programs for the WLAN industry. GigaWave, has the knowledge and expertise to train IT professionals who need to know how to design, install and sell WLAN products. GigaWave is a division of TESSCO Technologies. For a current training schedule, visit www.giga-wave.com or call 210-375-0085.

Implementing Cisco Unified Wireless Networking Essentials v1.0* (IUWNE)

Implementing Cisco Unified Wireless Networking Essentials v1.0 Live Instructor via Web* (IUWNEV)

- Describe the fundamentals of wireless technologies
- Install and configure a WLAN controller, in the main Cisco Unified Wireless Networks line or Mobility Express
- Install the ADU and configure wireless clients
- Configure wireless security
- Manage the network with WCS
- Use the controller and WCS tools to troubleshoot a wireless network

**[View Detailed IUWNE Course Description](#)
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**[View Detailed IUWNEV Course Description](#)
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Conducting Cisco Unified Wireless Site Survey v1.0 (CUWSS)**

- Describe the requirements for preparing for a site survey
- Describe the requirements for planning a site survey
- Perform a site survey for data, voice, and location applications
- Determine the placement of the access points for data, voice, and location applications
- Assess the deployment of the WLAN

**[View Detailed CUWSS Course Description](#)
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Implementing Advanced Cisco Unified Wireless Security v1.0 (IAUWS)**

Implementing Advanced Cisco Unified Wireless Security Live Instructor via Web (IAUWSV)**

- Translate organizational and regulatory security policies and enforce security compliances
- Integrate security on client devices
- Design and implement guest access services on the WLAN controller
- Design and integrate a wireless network with Cisco NAC Appliance
- Implement secure wireless connectivity services on the WLAN controller
- Use the internal security features on the WLAN controller and integrate the WLAN controller with advanced security platforms to isolate and mitigate security threats to the WLAN

**[View Detailed IAUWS Course Description](#)
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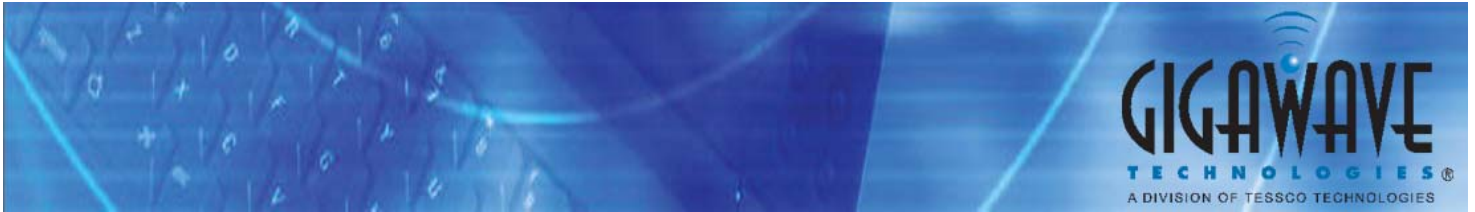
**[View Detailed IAUWSV Course Description](#)
[View Current IAUWSV Course Details, Pricing and Schedule](#)**

Implementing Cisco Unified Wireless Voice Networks v1.0 (IUWVN)**

- Implement QoS for wireless applications, both on the wired and on the wireless side
- Describe voice architecture and voice over wireless specific requirements
- Design and implement Voice over Wireless LANs
- Implement multicast support over wireless networks
- Prepare the wireless network for video and high-bandwidth applications

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[Implementing Cisco Unified Wireless Mobility Services v1.0 ** \(IUWMS\)](#)

[Implementing Cisco Unified Wireless Mobility Services v1.0 Live Instructor via Web** \(IUWMSV\)](#)

- Design a WLAN infrastructure for mobility
- Implement advanced services and manage with the WCS and WCS Navigator
- Implement Cisco's Location-based Services
- Implement the Mobility Services Engine into the wireless network
- Describe the outdoor wireless networks and products
- Implement and manage an indoor enterprise mesh
- Optimize and troubleshoot the WLAN

[View Detailed IUWMS Course Description](#)

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[View Detailed IUWMSV Course Description](#)

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[Cisco Wireless LAN Fundamentals v2.0 \(CWLF\)](#)

[Cisco Wireless LAN Fundamentals v2.0 Live Instructor via Web \(CWLTV\)](#)

- Describe detailed modulation and spreading techniques and how it is used with various antennas
- Describe detailed technical features, functions, and benefits of the Cisco wireless LAN products and how they compare to each other
- Describe Aironet Desktop Utility and the Cisco Secure Services Client
- Define the concept of using wireless devices to create a WLAN using the standalone products
- Define concepts of using wireless devices to create a Layer 2 bridge
- Configure a controller-based wireless network using a Cisco wireless LAN controller
- Describe the requirement necessary for deployment and performing a site survey
- Describe the steps, concepts, and tools available while performing a site survey

Note: The GigaWave version of this class provides hands-on labs which cover the latest controller firmware release 4.2 as well as Cisco Wireless Control System (WCS) software release 4.2.

[View Detailed CWLF Course Description](#)

[View Current CWLF Course Details Pricing and Schedule](#)

[View Detailed CWLTV Course Description](#)

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[Cisco Wireless LAN Advanced Topics v2.0*** \(CWLAT\)](#)

[Cisco Wireless LAN Advanced Topics v2.0 Live Instructor via Web*** \(CWLATV\)](#)

- Describe detailed technical features, functions and benefits of the WLAN controller-based architecture
- Install and setup Cisco WCS and provide the information needed to configure a WLAN using Cisco WCS
- Manage the WLAN controller-based network with the Cisco WCS
- Troubleshoot and maintain a controller-based WLAN network
- Apply advanced applications to controller-based WLAN networks.
- Administer security so that the controller-based WLAN network is safe from attack

Note: The GigaWave version of this class provides hands-on labs which cover the latest controller firmware release 4.2 as well as Cisco Wireless Control System (WCS) software release 4.2.

[View Detailed CWLAT Course Description](#)

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[View Detailed CWLATV Course Description](#)

[View Current CWLATV Course Details, Pricing and Schedule](#)



Cisco Unified Wireless Networking v4.1*** (CUWN)

Cisco Unified Wireless Networking v4.1Live Instructor via Web *** (CUWNV)

- Identify key enterprise WLAN implementation challenges
- Select and properly install the Cisco Unified Wireless Network hardware appropriate to site and use requirements
- Use the Cisco Unified Wireless Network interface to administer WLANs, VLANs, 802.11/802.1X/WPA/WPA2 security policies, and QoS appropriately to optimize performance on and protect the network
- Configure and implement the key Unified Wireless security features to mitigate WLAN threats
- Administer, update, back up, restore, and use the Cisco WCS as required to monitor Cisco Unified Wireless Network equipment performance
- Configure and use the Cisco WCS location tracking features and the Cisco Location Server as appropriate to locate users within a Cisco Unified Wireless Network environment

Note: The GigaWave version of this class provides hands-on labs which cover the latest controller firmware release 4.2 as well as Cisco Wireless Control System (WCS) software release 4.2.

[View Detailed CUWN Course Description](#)
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[View Detailed CUWNV Course Description](#)
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Cisco Wireless Mesh Networking v3.0**** (CWMN)

- Explore how to create a mesh network
- Review basic controller configuration and wireless LAN configuration
- Demonstrate how to install access points
- Examine the requirements necessary for designing a wireless mesh network
- Explore various verification and troubleshooting tools and commands

Note: The GigaWave version of this class provides hands-on labs which cover the latest controller firmware release 4.2 as well as Cisco Wireless Control System (WCS) software release 4.2.

[View Detailed CWMN Course Description](#)
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Course Prerequisites

- * Interconnecting Cisco Networking Devices Part 1 and Interconnecting Cisco Networking Devices Part 2
- ** Interconnecting Cisco Networking Devices Part 1, Interconnecting Cisco Networking Devices Part 2, and Implementing Cisco Unified Wireless Networking Essentials
- *** Cisco Wireless LAN Fundamentals v2.0
- **** Cisco Wireless LAN Fundamentals v2.0 and Cisco Unified Wireless Networking v4.1