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## Implementing Advanced Cisco Unified Wireless Security

**Duration: 5 Days**    **Course Code: IAUWS**

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### Overview:

In the Implementing Advanced Cisco Unified Wireless Security (IAUWS) course, you will learn to secure wireless networks from security threats via appropriate security policies and best practices. You will learn to implement security standards and configure security components. Hands-on labs ensure that you thoroughly understand how to secure a wireless network.

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### Target Audience:

This course is designed for: Wireless network engineers Wireless test engineers Wireless network administrators Wireless network managers Midlevel wireless support engineers

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### Objectives:

- Upon completing this course, the learner will be able to meet these overall objectives:
    - Organizational and regulatory Security Policies
    - How to segment enterprise and guest WLAN traffic
    - Configure administration and security on a WLAN controller
    - Configure administration and security on a WLAN controller using TACACS+
    - Secure client devices using EAP authentication
    - Configure Cisco Secure Services Client
    - Design and implement guest services on a WLAN controller.
    - Configure the WLAN controller for Cisco NAC
    - Configure Local authentication on the WLAN controller
    - Configure Management Frame Protection (MFP) on the WLAN controller
    - Implement Access Control Lists (ACL) on a WLAN controller
    - WLAN controller-based Intrusion Detection Signatures (IDS)
    - Configure the WLAN controller to integrate with IPS and IDS appliances
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### Prerequisites:

To gain the prerequisite skills and knowledge, Cisco strongly recommends the knowledge of the following courses:

- Interconnecting Cisco Networking Devices Part 1 (ICND1)
- Interconnecting Cisco Networking Devices Part 2 (ICND2)
- Implementing Cisco Unified Wireless Networking Essentials (IUWNE)

### Testing and Certification

Recommended as preparation for:

- 642-736 - Implementing Advanced Cisco Unified Wireless Security (Last day to test 11th May 2012)
  - 642-737 - Implementing Advanced Cisco Unified Wireless Security IAUWS is one of four courses required for **Cisco Certified Network Professional Wireless (CCNP Wireless)** Certification
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## Content:

### Organizational and Regulatory Security Policies

- Regulatory Compliance
- Segmenting Traffic
- Configuring Administrative Security
- Managing WLAN Controller and Cisco WCS Alarms
- Security Audit Tools

### Secure Client Devices

- Configuring EAP Authentication
- Impact of Security on Application and Roaming
- Configuring Cisco Secure Services Client
- Troubleshooting Wireless Connectivity

### Design and Implement Guest Access Services

- Guest Access Architecture
- Configuring the WLAN to Support Guest Access
- Configuring Guest Access Accounts
- Troubleshooting Guest Access

### Design and Integrate Wireless Network with NAC

- Cisco NAC Appliance Solution
- Configuring the Controller for Cisco NAC Out-of-Band Operations

### Implement Secure Wireless Connectivity Services

- Configuring Authentication for the WLAN Infrastructure
- Configuring Management Frame Protection
- Configuring Certificate Services
- Implementing Access Control Lists
- Configuring Identity-Based Networking on the Controller Issues
- Troubleshooting Secure Wireless Connectivity

### Internal and Integrated External Security Mitigations

- Mitigating Wireless Vulnerabilities
- Using Controller-Based IDS
- Cisco's End-to-End Security Solutions
- Integrating Cisco WCS with Wireless IPS

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## Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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