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HILTON**  
IT ACADEMY

BUILDING TRAINING SOLUTIONS  
FOR THE IT WORLD

## **Implementing Cisco Unified Wireless Networking Essentials (IUWNE) Version 1.0**

<b>Days:</b>	<b>5</b>
<b>Format:</b>	<b>Instructor-Led</b>
<b>Class Code</b>	<b>IUWNE</b>
<b>Certification Exams:</b>	<b>None</b>
<b>Certification Track:</b>	<b>None</b>

### **Recommended Course Sequence**

Knowledge of prerequisites  
noted below.

*Course content is subject to change  
without notice.*

### **Course Description:**

The goal of this five-day course is to provide students with information and practice activities to prepare them to help design, install, configure, monitor and conduct basic troubleshooting tasks of a Cisco WLAN in SMB and Enterprise Installations.

### **Target Audience:**

This course is intended for network and systems engineers with experience managing a data network who will be responsible for the planning, implementing and/or supporting an enterprise WLAN. The secondary audience consists of network administrators and designers with experience in a data network environment.

### **Prerequisites:**

- Basic networking principles, TCP/IP, bridging, routing protocol and VLAN operation.
- CCNA certification.
- Basic Microsoft Windows and Internet browser navigation skills.

### **Course Objectives:**

- Describe wireless fundamentals, such as topologies, RF principles and math, antennae, spread spectrum technologies, frames and physics, wireless regulatory bodies, standards and certifications, and the non 802.11 wireless technologies and their impact.
- Describe the Cisco Unified Wireless networks basics and configure a Cisco Unified Wireless Network Controller and a Mobility Express Controller.
- Describe and configure default OS wireless client configuration tools, use the Cisco Aironet Desktop Utility and Site Survey Utility, the Cisco Secure Services Client, and describe the CCX program.
- Describe and configure wireless security.
- Manage the wireless network from the Wireless Control System (WCS)
- Maintain and troubleshoot wireless networks

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## Course Outline

Lessons
<ul style="list-style-type: none"><li>■ Course Introduction.</li><li>■ Wireless Fundamentals.</li><li>■ Basic WLAN Installation.</li><li>■ Wireless Clients.</li><li>■ WLAN Security.</li><li>■ WCS Administration.</li><li>■ WLAN Maintenance and Troubleshooting.</li></ul>