



Hewlett Packard Enterprise

Course Datasheet

Enterprise Wi-Fi Administration (CWNA)

Education Services course product number – H0LK8S

Course length – 5 days

Delivery mode – Virtual Instructor Led Training (VILT)

Register – [Click here to go to HPE Learning Portal](#)

The CWNA certification is the foundation-level enterprise Wi-Fi certification for the CWNP Program. Achieving it sets your wireless career on a firm foundation, ensuring you have the skills to successfully survey, install, and administer enterprise Wi-Fi networks. In this hands-on course, you will gain a full understanding of how radio frequency affects networking so you can perform site surveys, design a high-performance network, and protect both users and sensitive data from potential intruders. Plus, you will explore advanced topics such as VoWLAN deployments, seamless mobile connectivity, and detailed wireless frame analysis. You will use enterprise-class hardware and software tools during live lab exercises, simulating a state-of-the-art production environment.

Audience

- Administrators: network, systems, infrastructure, security, and LAN/WLANs
- Support professionals: technical assistance and field support
- Designers: network, systems, and infrastructure
- Developers: wireless software and hardware products
- Consultants and integrators: IT and security
- Decision makers: infrastructure managers, IT managers, security directors, chief security officers, and chief technology officers
- CCNAs

Course Outline

- Radio frequency properties, behaviors, and regulations, and how they affect networking
- Wireless standards, including 802.11 extensions a, b, g, and n
- General troubleshooting tips to common real-world 802.11n issues
- General parameters for performing a successful site survey, along with software tools that reduce time and expense
- Device-level Wi-Fi communications processes
- Why 802.11n networks operate the way they do and how to apply that knowledge when faced with problems that stump most network administrators
- Using wireless network analyzers to capture live data and pinpoint potential network issues

- How using radio frequency makes wireless networks vulnerable
- Most common wireless threats and how to detect and defend against them
- Wireless security standards for keeping unauthorized users out and maintaining wireless data privacy
- Applying WPA2 security standards, including 802.1X/EAP and AES, along with the devices used to apply them
- Wireless intrusion detection and why it's essential for maintaining a secure network

Exams

Get exam ready in this approved CWNA certification course that includes:

- CWNA study guide
- Practice exams
- Exam voucher