Designing Cisco Enterprise Wireless Networks

Course code: ENWLSD

The Designing Cisco Enterprise Wireless Networks (ENWLSD) v1.0 course gives you the knowledge you need to design Cisco® wireless networks. The course covers design specifics from scenario design concepts through the installation phase and into post-deployment validation. This course, including the self-paced material, helps prepare you to take the exam, Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD), which leads to the new CCNP® Enterprise and Cisco Certified Specialist – Enterprise Wireless Design certifications. The exam will be available beginning February 24, 2020.

What we teach you

This course will help you:
- Gain the knowledge you need to plan advanced designs of Cisco wireless products
- Qualify for professional-level job roles in wireless networking
- Prepare for the Designing Cisco Enterprise Wireless Networks (300-425 ENWLSD) exam, which will be available beginning February 24, 2020

Required skills

Before taking this course, you should have:
- General knowledge of networks
- General knowledge of wireless networks
- Routing and switching knowledge

Either of the following combinations of Cisco courses can help you meet these prerequisites:
- Implementing Cisco Wireless Network Fundamentals (WIFUND) and Interconnecting Cisco Networking Devices, Part 1 (ICND1)
- Coming soon: Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR) and Understanding Cisco Wireless Foundations (WLFNDU)

Course outline

- Describing and Implementing a Structured Wireless Design Methodology Importance of Planning Wireless Design with a Structured Methodology Cisco Structured Design Model Cisco Design Guides and Cisco Validated Designs for Wireless Networks Role of the Project Manager When Designing Wireless Networks
- Describing and Implementing Industry Protocols and Standards Wireless Standards Bodies Institute of Electrical and Electronics Engineers (IEEE) 802.11 Standard and Amendments Wi-Fi Alliance (WFA) Certifications Relevant Internet Engineering Task Force (IETF) Wireless RFCs Practice Activity
- Describing and Implementing Cisco Enhanced Wireless Features Hardware and Software Choices for a Wireless Network Design Cisco Infrastructure Settings for Wireless Network Design Cisco Enhanced Wireless Features
- Examining Cisco Mobility and Roaming Mobility and Intercontroller Mobility in a Wireless Network Optimize Client Roaming in a Wireless Network Cisco Workgroup Bridge (WGB) and WGB Roaming in a Wireless Network
- Describing and Implementing the Wireless Design Process Overview of Wireless Design Process Meet with the Customer to Discuss the Wireless Network Design Customer Information Gathering for a Wireless Network Design Design the Wireless Network Deployment of the Wireless Network Validation and Final Adjustments of the Wireless Network Wireless Network Design Project Documents and Deliverables
- Describing and Implementing Specific Vertical Designs Designs for Wireless Applications Wireless Network Design Within the Campus Extend Wireless Networks to the Branch Sites
- Examining Special Considerations in Advanced Wireless Designs High-Density Designs in Wireless Networks Introducing Location and Cisco Connected Mobile Experiences (CMX) Concepts Design for Location FastLocate and HyperLocation Bridges and Mesh in a Wireless Network Design Redundancy and High Availability in a Wireless Network
- Describing and Implementing the Site Survey Processes Site Survey Types Special Arrangements Needed for Site Surveys Safety Aspects to be Considered During Site Surveys Site Survey Tools in Cisco Prime Infrastructure Third-

Party Site Survey Software and Hardware Tools
- Describing and Implementing Wireless Network Validation Processes Post-installation Wireless Network Validation Making Post-installation Changes to a Wireless Network Wireless Network Handoff to the Customer Installation Report