

COURSE **Designing for Cisco Internetwork Solutions (DESGN) v2.0**

CODE **TRN-DESGN**

DURATION 5 Days

COURSE

The Designing for Cisco Internetwork Solutions (DESGN) Course v 2.0 is a new version. In addition to general approaches and technologies for network design, it promotes Cisco solutions in designing and implementing scalable internetworks.

WHO SHOULD ATTEND

The target audience for the Designing for Cisco Internetwork Solutions (DESGN) course consists of individuals seeking the Cisco Certified Design Associate (CCDA) certification and those individuals targeting towards the CCDP (Cisco Certified Design Professional) certification. The course is also targeted at pre-sales and post-sales network engineers involved in the network design, planning and implementation.

- Employees
- Channel Partners / Resellers
- Customers

COURSE OBJECTIVES

After completing this course the student should be able to:

- Discuss methodology in network design
- Describe how to structure and modularize the network design using the Cisco Enterprise Architecture
- Design the Enterprise Campus and Enterprise Data Center modules.
- Design the Remote Connectivity modules as needed.
- Design a network addressing plan and select a suitable routing protocol for a given network design.
- Evaluate security solutions for the network.

- Discuss the design implications of voice transport across the network.
- Discuss the design implications of wireless networking.

COURSE OUTLINE

Applying a Methodology to Network Design

Structuring and Modularizing the Network

Designing Basic Campus and Data Center Networks

Designing Remote Connectivity

Designing IP Addressing and Selecting Routing Protocols

Evaluating Security Solutions for the Network

Identifying Voice Networking Considerations

Identifying Wireless Networking Considerations

Implementing and Operating the Network Design

PREREQUISITES

- Cisco CCNA certification
- Practical experience with deploying and operating networks based on Cisco network devices and Cisco IOS software, as well as BCMSN level knowledge of wireless and QoS topics.
- Building Cisco Multilayer Switched Networks (BCMSN)