Overview

Network Design Foundations explores enterprise environments that require networks designed for performance, availability, and scalability with the flexibility to meet rapidly evolving demands. Skilled IT professionals who possess up-to-date, fundamental network design skills are needed in order to meet these challenges head-on. C246: Fundamentals of Interconnecting Network Devices or Cisco Certified Entry Networking Technician (CCENT) certification is a prerequisite for this course.

Competencies

- **Network Design Architectures**
  The graduate compares design methodologies to determine which methodology will meet the needs of the organization.

- **Designing Cisco Internetwork Solutions**
  The graduate explains how to apply design objectives to ensure a network design meets the needs of an organization.

- **IP Addressing Design and Routing Protocols**
  The graduate designs an IP routing architecture to ensure network functionality and provide future expansion for summarization, scalability, and convergence requirements.

- **Designing Enterprise Networks**
  The graduate designs basic, enterprise, and branch networks to meet the needs of an organization.

- **Scaling Existing Networks**
  The graduate recognizes the impact of expanding existing architecture to ensure network functionality.

Learning

**Getting Started**

Welcome to Network Design Foundations. In this course you will learn how to design network infrastructures involving LANs and WANs including basic campus, data center, security, voice, and wireless networks.

This course is delivered in the uCertify platform, which incorporates all of the necessary reading materials, knowledge checks, practice tests, and videos to help you succeed. A comprehensive list of these resources is available in the Learning Resources section of the course. Course Mentors are also available to answer questions and discuss network design concepts.
To help you track your progress in the course and keep you on schedule, follow the pacing guide provided at the beginning of the course.

Competency will be demonstrated by the successful completion of the Designing for Cisco Internetwork Solutions 200-310 certification exam.

Select the "Go to Course Material" button to begin.

Assessments

Objective Assessment: Cisco - Certified Design Associate

STATUS: Not Attempted

# OF ITEMS:

TIME ALLOTTED: minutes

CODE: GZV1

A score of Competent or Exemplary is required to pass all assessments. Passing a preassessment does not guarantee you will pass the high stakes assessment.

On objective assessments, you will be charged a retake fee for the third attempt and every attempt thereafter. For more information click here.

Course Instructor Group

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Course Instructor

Announcements

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