

CCNA Course Outline

The following list is an approximate day-by-day breakdown of GlobalNet Training's Cisco Authorized CCNA course developed by industry expert Todd Lammle.

GlobalNet Training believes in the necessity of lab repetition to help build solid networking skills. In addition, multiple routers and switches per student (no sharing of equipment) are utilized.

GlobalNet Training offers more hands-on and written labs than any other IT training company in the industry. Note: All labs are subject to change and are up to the instructor's discretion.

Day 1: Internetworking and Cisco IOS

The Cisco IOS Interface

Introduction to TCP/IP and Subnetting

Chapter 1: Internetworking

The following written lab is covered in chapter 1:

- 1.1 Written Lab: OSI
- 1.2 Written Lab: Binary/Hexadecimal Practice

Chapter 2: Introduction to TCP/IP

The following written lab is covered in chapter 2:

- 2.1: Written Lab: Introduction to TCP/IP

Chapter 3: The Cisco Interface

The following hands-on labs are covered in chapter 3:

- 3.1: Console login
- 3.2: Router Examination Lab
- 3.3: Configuring Administrative Functions on your routers
- 3.4: Configuring your Router interfaces
- 3.5: Configuring your Catalyst Switches
- 3.6: Configuring your backbone router and verifying your internetwork

Chapter 4: Advanced IOS Management

The following hands-on labs are performed in chapter 4:

- 4.1: Copying the Cisco IOS to a TFTP Host
- 4.2: Backing up and restoring the configuration of your routers and switch
- 4.3: Using CDP to find your Neighbors
- 4.4: Telnetting into Multiple routers and switches simultaneously
- 4.5: Building and maintaining a hosts table

Day 2: IP Routing

Chapter 5: IP Routing

The following written and hands-on labs are performed in chapter 5:

- 5.1: Static Routing and Verification
- 5.2: RIP Routing and Verification
- 5.3: EIGRP Routing and Verification
- 5.4: OSPF Single Area Configuration and Verification
- 5.5: OSPF DR and BDR elections
- 5.7: Written Lab: IP Routing

Day 3: Advanced TCP/IP, Access-Lists and NAT

Chapter 6: Advanced TCP/IP

The following written and hands-on labs are performed in chapter 6:

- 6.1: Written Lab: Class B Subnetting
- 6.2: Written Lab: VLSM Design
- 6.3: Implementing VLSM and Summarization

Chapter 7: Access Lists

The following hands-on labs are performed in chapter 7:

- 7.1: Configuring Standard IP Access-lists
- 7.2: Limiting VTY Access
- 7.3: Extended access-list configurations

Chapter 8: Network Address Translation

- 8.1: Setting up Network Address Translation (NAT)
- 8.2: Dynamic NAT
- 8.3: Port Address Translation (PAT)

Day 4: Switching, VLAN's, Wireless LANs and IPv6

Chapter 9: Switching and VLANs

The following labs are covered in chapter 9:

- 9.1: Configuring Switching with VLAN's and inter-VLAN Routing
- 9.2: Written Lab: Switching

Chapter 10: Introduction to Wireless LAN's

The following labs are covered in chapter 10:

- 10.1: Written Lab: Introduction to Wireless

Chapter 11: Introduction to IPv6

The following labs are covered in chapter 11:

- 11.1: Configuring basic IPv6
- 11.2: Written Lab: IPv6

Day 5: Wide Area Networks and Review

Chapter 12: Cisco Wide Area Network Support (WANs)

The following written and hands-on labs are covered in chapter 12:

- 12.1: Configuring PPP with Authentication
- 12.2: Configuring Frame Relay
- 12.3: Verifying Frame Relay
- 12.4: Written Lab Frame Relay