Certificate of Course Completion

CCNA Routing and Switching: Introduction to Networks

During the Cisco Networking Academy® course, administered by the undersigned instructor, the student was able to proficiently:

- Understand and describe the devices and services used to support communications in data networks and the Internet

- Understand and describe the role of protocol layers in data networks

- Understand and describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments

- Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks

- Explain fundamental Ethernet concepts such as media, services, and operations

- Build a simple Ethernet network using routers and switches

- Use Cisco command-line interface (CLI) commands to perform basic router and switch configurations

- Utilize common network utilities to verify small network operations and analyze data traffic

Dennis Lacher
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HSD

06.07.2016
Date

Instructor Signature

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Dear Dennis Lacher

Congratulations on completing the Cisco® **CCNA Routing and Switching: Introduction to Networks** course as part of the Cisco Networking Academy® program. This hands-on, lab-oriented course has prepared you for exciting career opportunities in the technology industry.

By completing this course you have earned a Certificate of Completion for **CCNA Routing and Switching: Introduction to Networks**, and acquired competencies that include the following:

- Understand and describe the devices and services used to support communications in data networks and the Internet
- Understand and describe the role of protocol layers in data networks
- Understand and describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments
- Design, calculate, and apply subnet masks and addresses to fulfill given requirements in IPv4 and IPv6 networks
- Explain fundamental Ethernet concepts such as media, services, and operations
- Build a simple Ethernet network using routers and switches
- Use Cisco command-line interface (CLI) commands to perform basic router and switch configurations
- Utilize common network utilities to verify small network operations and analyze data traffic

Technological literacy is more important today than ever before, and Cisco is proud to provide you with the knowledge and skills necessary to build and maintain computer networks.

Please accept my best wishes for your continued success.

Sincerely,

Chuck Robbins

Chuck Robbins
Chief Executive Officer
Cisco Systems, Inc.