



Cisco Systems, Inc.  
170 West Tasman Drive  
San Jose, CA 95134-1706

Direct: 408 526 4000  
FAX: 408 526 4100  
www.cisco.com

Sep 10, 2016

191

Dear NAZIA TABASSUM

Congratulations on completing the Cisco® **CCNA Routing and Switching: Routing and Switching Essentials** 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: Routing and Switching Essentials**, and acquired competencies that include the following:

- Understand and describe basic switching concepts and the operation of Cisco switches
- Understand and describe enhanced switching technologies
- Understand and describe dynamic routing protocols, distance vector routing protocols, and link-state routing protocols
- Configure and troubleshoot basic operations in a small switched and routed network
- Configure and troubleshoot VLANs and inter-VLAN routing
- Understand and describe the purpose and types of access control lists (ACLs)
- Configure, monitor, and troubleshoot ACLs for IPv4 and IPv6
- Understand and describe the operations and benefits of Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) for IPv4 and IPv6
- Understand, describe, configure and troubleshoot the operations of Network Address Translation (NAT)

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  
Chief Executive Officer  
Cisco Systems, Inc.