



500 EIGHTH Ave, Suite 1203, New York, NY. 10018



## CCNP Bootcamp *updated!*

<b>Course Length:</b>	11 weeks (88 hours), Instructor-led
<b>Skill Development:</b>	install, configure, and troubleshoot local and wide area networks for enterprise organizations
<b>Prerequisites:</b>	CCNA or equivalent; hands-on experience with Cisco equipment
<b>Target Audience:</b>	CCNA's, experienced Cisco engineer in need of upgrading his/her skills and/or renewing CCNP
<b>Course Objective:</b>	Provide students with the knowledge, skills and practical experience to pass the CCNP exams
<b>Exams covered:</b>	<a href="#">Cisco CCNP exams (BSCI, BCMSN, ISCW, ONT)</a>
<b>Lab:</b>	One-year onsite and remote access (via web)

### Topics to be covered:

#### [Routing \(642-901 BSCI\)](#)

- I. Describe advanced IP addressing technologies
- II. IP routing principles (static & dynamic routing)
- III. Configure EIGRP for a scalable network
- IV. Configuring OSPF for a scalable multiarea network
- V. Configuring IS-IS for a scalable multiarea network
- VI. Manipulate routing updates and packet flow
- VII. Configure BGP for internal & external BGP connections
- VIII. Implement Multicast and the Basics of Ipv6

#### [Switching \(642-812 BCMSN\)](#)

- I. Define VLANs to segment network traffic & manage network utilization
- II. Troubleshoot spanning tree,
- III. Implement interVLAN Routing
- IV. Implement High Availability
- V. Featuring Wireless Client Access
- VI. Minimizing Service Loss and Data Theft
- VII. Configuring Campus Switches to Support Voice

#### [Implementing Secure Converged WAN \(642-825 ISCW\)](#)

- I. Implement and verify frame mode MPLS
- II. Configure a site-to-site IPSEC VPN
- III. Configure Cisco EZVPN
- IV. Discuss the strategies used to mitigate network attacks
- V. Configure Cisco device hardening
- VI. Configure IOS firewall features

#### [Optimizing Converged Cisco Networks \(642-845 ONT\)](#)

- I. Cisco hierarchical network model as it pertains to an end-to-end enterprise network.
- II. Discuss & implement specific requirements for a VOIP network
- III. Describe the need to implement QoS and the methods for implementing QoS on a converged network
- IV. Discuss key IP QoS mechanisms used to implement the DiffServ QoS model
- V. Configure AutoQoS for Enterprise
- VI. Describe and configure wireless security and basic wireless management

Phone: 212-695-4810

[HTTP://www.TCYTech.com](http://www.TCYTech.com)

Fax: 212-695-5359