



Cisco Networking Academy  
| Mind Wide Open™



## Cisco CCNA 3 – LAN Switching and Wireless and CCNA 4 – Accessing the WAN

### Simultaneously In-person or Online (CNT 62B)

#### General information

[Cisco Systems](#) is a market leading ICT technology solutions company providing equipment and technology that form the technical foundation of many ICT service providers and enterprises. Its [Cisco Networking Academy](#) serves 600,000 students annually in more than 160 countries, providing valuable ICT skills for increased access to opportunities in the global economy.

The [Cisco Certified Network Associate \(CCNA\)](#) is the second level of the Cisco Networking Academy curriculum and certification program. CCNA certification validates the ability to install, configure, operate, and troubleshoot medium-size routed and switched networks, including implementation and verification of connections to remote sites in a WAN. CCNA curriculum includes basic mitigation of security threats, introduction to wireless networking concepts and terminology and performance-based skills. This curriculum also includes (but is not limited to) the use of these protocols: IP, Enhanced

Interior Gateway Routing Protocol (EIGRP), Serial Line Interface Protocol Frame Relay, Routing Information Protocol Version 2 (RIPv2), VLANs, Ethernet, access control lists (ACLs). CCNA certification is recognized globally.



## Course Description

This 4.0 unit course covers the third and fourth parts of the Cisco Certified Network Associate (CCNA) curriculum, and the objectives of the CCNA 640-811 ICND exam. It covers internetwork topology and design, configuring LAN switches, STP, VLANs and trunking, TCP/IP suite, VLSM / CIDR IP addressing and subnetting, advanced routing concepts and configuration for RIP, EIGRP, IGRP, and static routes. Also includes WANs using Frame Relay, ISDN, dial-on-demand routing, PPP, PAP/CHAP authentication, and network address translation. Network security, best practices, router/switch security, passwords, and remote access concepts. This class includes hands-on experience using Cisco routers and switches.

**Prerequisite:** Computer Networking Technology 62A (Completed with a grade of "C" or higher) or completion of Cisco Networking Academy 1 & 2 at a Cisco Academy.

## Instructor

**John Gonder** is a seasoned Cisco Networking Academy instructor  
For more information, contact him at: [jgonder@laspositascollege.edu](mailto:jgonder@laspositascollege.edu)

## In-Person Instructor Led Course / Online-Hybrid

Since this course is taught Online-Hybrid, F2F attendance is not required - See definition of Online-Hybrid: <http://lpc1.clpccd.cc.ca.us/lpc/jgonder/#Online-Hybrid>

Face-to-face meetings will be Tues, 4-6:50pm and lab 7 – 9:50pm, Jan 17 – May 23, Las Positas College, L800 rm 804. [Apply to Las Positas College](#) and [Register](#) for [CNT 62B](#) Section 093 CRN31256.

## What is “Online-Hybrid”?

I teach my classes as online-hybrid, whether they are listed as DE (distance education), like CNT 70 Computer Forensics, or as a face to face class, like CNT62A and B, Cisco CCNA Academy.

That means

1. Lectures are scheduled, on my [iCal Web Calendar](#), for a given place and time each week.
2. You may come physically to the lecture.
3. OR you may remotely log in to the live lecture using the internet and a phone, and participate live via [CCCConfer](#). You will see and hear live what we’re doing at LPC and we will hear you, and you can even show us what's on your computer.
4. AND / OR you may asynchronously view the flash movie later, and/or download the mp3 or iPod Video recording of the complete lecture, including local and remote participants. The recording works on Windows, Mac OS X or Linux, if you’re up to date on your flash, and other plugins.
5. There’s regular drop-in lab time scheduled for all the classes. You may come in and physically access the gear for lab work.

6. All labs can also be done remotely - depending on the class, either with downloaded software or *CDs* you pick up or write, on your own machine, or on our gear / router pods / *PCs* that you remotely access from home across the internet, or from any computer lab here at school - 24/7. Typically access to gear, or router pods, requires making reservations using our iCalendar system.
7. SO you MUST view / listen to the lecture each week one way, or another - the choice is up to you. You MUST do the labs / reports, but all can be done online / remotely.

The idea is to get the info and skills to you in the most convenient way possible for you.

### **Asynchronous Course Review**

Students will be able to view archived course lectures via the Internet and may be able to download video and audio podcasts of course lectures for review on mobile devices.

