



Cisco CCNA 4 – LAN Switching and Wireless Simultaneously In-person or Online (CS 82.21C)

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 3-unit course, ACCESSING THE WAN, is the fourth of the four [CCNA Exploration](#) courses preparing students for the [CCNA certification exam](#). The class, for the Information Technology (IT) professional, includes the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn about user access technologies and devices and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. Wide Area Networks (WAN) security concepts, tunneling, and VPN basics are introduced. The course concludes with an introduction to quality of service (QoS). See this [example](#) for a flavor of the course.

Prerequisite: Completion of CS 82.21C

Instructor

[Michael McKeever](#) is a seasoned Cisco Networking Academy instructor at the [SRJC Technology Academy](#) and an MPICT Regional Partner.

For more information, contact him at:

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In-Person Instructor Led Course

This face-to-face course will be Mondays and Wednesdays, 9am-12:10pm OR 6:00pm – 9:10pm, March 28 – May 23, on the [Santa Rosa Junior College Petaluma Campus](#) in room PC 645.

[Apply to SRJC](#) and [Register](#) for [CS82.21C](#) Section 6607 or 7847.

Synchronous, Interactive Online Course with Remote Lab Access

Now, students at other colleges have an opportunity to take this course, offered for the first time in a hybrid in-person and remote access format through the [Mid-Pacific ICT Center](#).

Students will be able to interact with the class in real time via the outstanding [CCCConfer](#) Teach and Confer platform via any computer at any connection speed on the Internet. Labs will be available through scheduled NETLAB remote access to actual Cisco routers (not a simulator). However, the [Cisco Packet Tracer](#) simulator will also be used to enhance learning.

Register for [CS82.21D](#) Section 6607 or 7847.

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.

