



CCNA Security

Simultaneously In-person or Online (CSCO 230 1001)

General information

CCNA Security provides a next step for individuals who want to enhance their CCNA-level skill set and help meet the growing demand for network security professionals. The curriculum provides an introduction to the core security concepts and skills needed for the installation, troubleshooting, and monitoring of network devices to maintain the integrity, confidentiality, and availability of data and devices. CCNA Security helps prepare students for entry-level security career opportunities and the globally recognized Cisco CCNA Security certification.

CCNA Security is a blended curriculum with both online and classroom learning.

Prerequisite:

Students who enroll in CCNA Security are expected to have CCNA-level networking concepts knowledge and skills, along with basic PC and Internet navigation skills.

Course Description

The goals of CCNA Security are as follows:

- Provide an in-depth, theoretical understanding of network security
- Provide students with the knowledge and skills necessary to design and support network security
- Provide an experience-oriented course that employs industry-relevant instructional approaches to prepare students for associate-level jobs in the industry
- Enable students to have significant hands-on interaction with IT equipment to prepare them for certification exams and career opportunities

Upon completion of the CCNA Security course, students will be able to perform the following tasks:

- Describe the security threats facing modern network infrastructures
- Secure network device access
- Implement AAA on network devices
- Mitigate threats to networks using ACLs
- Implement secure network management and reporting
- Mitigate common Layer 2 attacks
- Implement the Cisco IOS firewall feature set
- Implement the Cisco IOS IPS feature set
- Implement site-to-site IPSec VPNs
- Administer effective security policies

Instructor



Bill Doherty is a Certified Cisco Academy Instructor and CCNP. He has been teaching networking topics at Truckee Meadows Community College since 1990.

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Hybrid Instructor Led Course

This course meets in person on Wednesdays, 5:30-6:45 P.M. . Jan 21, 2012- May 13, 2012 at Truckee Meadows Community College. Students can participate in the discussion portion of the course in the classroom or live online through Adobe Connect. Discussion sessions will also be recorded for review by students who are not able to meet at the designated time. The remainder of the course will be conducted online, asynchronously using discussions and chats in a course management system. The course will require extensive hands-on lab work, which can be accomplished online using real Cisco equipment in the Netlab environment.

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](#).

Distant education out-of-state tuition

Students who physically reside outside the state of Nevada may be eligible for a special distance education rate. (Please see Out-of state Distance Education students section in the [tuition and fees chart](#)). To apply, please submit [the request for distant education special tuition rate](#) to the admissions and records office.

Enroll at TMCC online at: <http://www.tmcc.edu/admissions/apply/> The deadline to apply to TMCC for the spring 2012 semester is Friday, Jan. 6, 2012.

Register for CSCO 230 1001. Select term=2012 Spring, course subject= CSCO, and course number=230 and select search. Click on section hyperlink: [1001-LEC\(23243\)](#).

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.

