

# CISCO (ZCIS)

## ZCIS-1014 CCNP Security: Implementing Cisco Secure Mobility Solutions (SIMOS)

4 CEUs

This course prepares you to protect data while navigating a public or shared infrastructure, such as the internet, by employing and maintaining Cisco VPN solutions. Gain hands-on experience configuring and troubleshooting remote access and site-to-site VPN solutions using Cisco ASA adaptive security appliances and Cisco IOS routers.

Contact hours: 40

Not financial aid eligible.

## ZCIS-1016 CCDA: Cisco Certified Design Associate

4 CEUs

This course provides the student with the knowledge and skills to develop and design integrated network solutions. Be able to examine a company's current and future network needs and develop a network solution that meets and exceeds requirements for performance, security, capacity and scalability.

Contact hours: 40

Not financial aid eligible.

## ZCIS-1019 CCNP Security: Implementing Cisco Secure Access Solutions (SISAS)

3.5 CEUs

In this course the student learns to configure various advanced Cisco security solutions for mitigating outside threats and securing devices connected to the network. This course prepares the student for the exam by covering how to reduce the risk to your IT infrastructures and applications using Cisco's Identity Services Engine (ISE) appliance feature. Also included are the fundamental concepts of BYOD thru the use of ISE.

Contact hours: 35

Not financial aid eligible.

## ZCIS-1021 CCNP Security: Implementing Cisco Threat Control Solutions (SITCS)

3.5 CEUs

This course prepares you to implement and manage security on Cisco ASA firewalls utilizing access and identity policies. Gain hands-on experience configuring various advanced Cisco security solutions. Learn how to reduce risks to IT infrastructures and applications using Cisco's Next Generation Firewall (NGFW) security appliance feature and provide operational support for Intrusion Prevention Systems (IPS), web (Cloud) email security, and web-based security appliances.

Contact hours: 35

Not financial aid eligible.

## ZCIS-1022 Cisco Wireless Security

3.2 CEUs

In this hands-on course, the student will learn to lessen WLAN attacks, explore computer hacking, Cisco SAFE software, basic security configuration, and 802.11 security risks. Also, you'll learn to use a wireless sniffer, capture packets, analyze WLAN traffic, explore authentication and association processes, and perform deployment exercises. You will be introduced to Cisco ACS RADIUS, ACU for LEAP, PEAP, and EAP-FAST.

Contact hours: 32

Not financial aid eligible.

## ZCIS-1024 CCNP/Voice Series: CVOICE - Implementing Cisco Unified Communications Voice Over IP and QoS v8.0

3.5 CEUs

This course prepares you for the CVOICE v8.0 exam, one of the qualifying exams for Cisco Certified Network Professional Voice (CCNP Voice). Learn about voice gateways, characteristics of VoIP, implementation of dial plans and IP phones, Cisco Unified Communications Manager Express, and information about gatekeepers and Cisco Unified Border Element. Other topics include design, planning and deployment practices; configuring and implementing VoIP networks; and configuring Quality of Service (QoS) to support real-time traffic.

Contact hours: 35

Not financial aid eligible.

## ZCIS-1025 CCVP Series: IP Telephony

3.5 CEUs

This course prepares the student to take the IP Telephony exam, which is one of the qualifying exams for the Cisco Certified Voice Professional certification. Presented in this class will be the information and skills necessary to describe, install, configure and support Cisco Call Manager products in a Cisco network, including such features as security and video. Also covered will be VoIP, PSTN, and CCM.

Contact hours: 35

Not financial aid eligible.

## ZCIS-1026 CCVP Series: IP Telephony Troubleshooting

3.5 CEUs

This course prepares the student to take the IP Telephony Troubleshooting exam, which is one of the qualifying exams for the Cisco Certified Voice Professional certification. Presented in this class will be the information and skills necessary to troubleshoot Enterprise CallManager, Unity, and IP network deployments. Also presented will be design/planning practices and hands-on experience in configuring, deploying, and troubleshooting AVVID solutions.

Contact hours: 35

Not financial aid eligible.

## ZCIS-1027 CCVP Series: Cisco Voice Gateways and Gatekeepers

3.5 CEUs

This course prepares the student to take the Voice Gateway Gatekeeper exam, which is one of the qualifying exams for the Cisco Certified Voice Professional certification. Presented in this class will be the information and skills necessary to implement Cisco gateways and gatekeepers to integrate a VoIP network to both PSTN and TDM equipment, including the implementation of dial plans and advanced gateway features such as SRST and DSP resources. Also covered will be applying gatekeepers and directory gatekeepers to provide hierarchical dial plan resolution and call admission control.

Contact hours: 35

Not financial aid eligible.

**ZCIS-1028 CCNP Voice Series: CAPPs - Integrating Cisco Unified Communication**  
**3.5 CEUs**

This course prepares the student to take the Integrating Cisco Unified Communications Applications (CAPPs) v8.0 exam, which is one of the qualifying exams for Cisco Certified Network Professional Voice (CCNP Voice). Presented in this class will be Cisco Unified Presence, Cisco Unity Express, and Cisco Unity Connection. These describe voice messaging deployment, Cisco Unified Presence, and troubleshooting. Through hands-on labs the student will configure and integrate the call management and voice mail systems of Cisco. The student will also learn about Cisco Unity Connection, Cisco Unified Communications Manager (CUCM), Cisco Unity Express, CUCM Express, Cisco Unified Personal Communicator (CUPC) client with desk phone control, and Unity Connection for CUPC access.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1035 CCDP Series: Designing Cisco Network Service Architectures (ARCH)**  
**4 CEUs**

In the Designing for Cisco Internetwork Solutions (DESIGN) v2.0 course, the students will learn additional aspects of modular campus and edge network design, including high availability, security, quality of service (QoS), network management, data center, and IP multicast. In addition, the students will be able to design solutions for the network that are strategic to small, medium, and large enterprises, including virtual private networking, wireless, and IP telephony.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1036 Cisco Network Security**  
**4 CEUs**

Possible harm to a company's data can come from many different sources. The Cisco Network Security class prepares the student to protect a company's data from theft, damage, or disruption. Through hands-on labs and lectures skills are developed so that the student will be able to design, implement and support security for network devices and ensure their integrity.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1039 CCNP/Voice Series: Implementing Cisco Unified Communications Manager Part 1 v8.0(CIPT1)**  
**3.5 CEUs**

This course prepares the student to take the 642-447 Implementing Cisco Unified Communications Manager, Part 1 v8.0 (CIPT1 v8.0) exam, which is one of the qualifying exams for Cisco Certified Network Professional Voice (CCNP Voice). Presented in this class will be Cisco Unified Presence, Cisco Unity Express, and Cisco Unity Connection. These describe voice messaging deployment, Cisco Unified Presence, and troubleshooting. Through hands-on labs the student will learn to configure a Cisco Unified Communications Manager (CUCM) solution in a multisite environment. CUCM v7.x/8.x will also be presented and the student will learn to configure users and associate them with phones.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1040 CCNP/Voice Series: Implementing Cisco Unified Communications Manager, Part 2 v8.0 (CIPT2 v8.0)**  
**3.5 CEUs**

This course prepares the student to take the 642-457 Implementing Cisco Unified Communications Manager, Part 2 v8.0 (CIPT2 v8.0) exam, which is one of the qualifying exams for Cisco Certified Network Professional Voice (CCNP Voice). The hands-on course will focus on Cisco Unified Communications Manager (CUCM) v7.0 and v8.0 in global, multisite networks. The student will learn how to use local route groups and global transformations to simplify the dial plan. Also covered will be globalized call routing, Cisco Service Advertisement Framework (SAF) and Call Control Discovery (CCD), tail-end hop-off (TEHO), Cisco Unified Survivable Remote Site Telephony (SRST), and mobility features such as Cisco Device Mobility and Cisco Extension Mobility.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1041 CCNA Wireless: Implementing Cisco Wireless Networking Fundamentals**  
**3.5 CEUs**

With a Cisco Certified Network Associate Wireless (CCNA Wireless) certification, network professionals can configure, monitor and troubleshoot the basic tasks of a Cisco WLAN in SMB and Enterprise networks. This course is designed to help you prepare for the CCNA Wireless certification. CCNA Wireless recognizes the critical importance of professionals supporting wireless LANs including Networking Associates/Administrators, Wireless Support Specialists, and WLAN project managers.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1043 CCNA Voice: Introducing Cisco Voice and UC Administration v8.0(ICOMM)**  
**3.5 CEUs**

The course prepares the student to take the Implementing Cisco IOS Unified Communications exam (IUC 640-460 exam). Students will learn the skills for basic IP telephony installation, configuration, and maintenance within small to medium sized IP Telephony situations using Cisco Unified Communications Manager Express, Cisco Unity Express, and the UC500 Smart Business Communications System solutions. The student will learn the basics of traditional telephony along with Voice over IP (VoIP) fundamentals, including various VoIP protocols. The student will learn to configure Cisco Unified Communications Manager Express (CUCME) and implement and troubleshoot Cisco Unity Express (CUE). The configuration of the Cisco Smart Business Communications System (UC500 Series) will also be explored. With the CCNA Voice certification you have the skills for jobs as voice technologies administrator, voice engineer, and voice manager.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1044 Network Support Technician: Cisco Technical 15.2 CEUs**

The Network Support Specialist program prepares individuals to pass four industry-standard Cisco certification exams: CCENT (Cisco Certified Entry Networking Technician), CCNA (Cisco Certified Networking Associate), CCNA Wireless (Cisco Certified Networking Associate Wireless) and CCSA (Cisco Certified Security Associate) and a career in the networking, security and telecommunication industries. Skills and certifications acquired during the program will provide a base of Cisco networking experience that can be built upon in the future. CISCO certification ensures high standards of technical expertise. Achieving CISCO certification at any level means joining the ranks of skilled network professionals who have earned recognition and respect in the industry

*Contact hours: 152*

*Not financial aid eligible.*

**ZCIS-1046 CCNA Series: Building Cisco Service Provider Next-Generation Networks Part 1 (SPNGN1)****3.5 CEUs**

Learn the fundamentals of networking as related to service providers. Curriculum includes an introduction to IP Next Generation Network (IP NGN) architecture, which helps service providers build modern, scalable and reliable networks. Gain practical skills deploying basic Cisco IOS/IOS XE and Cisco IOS XR features to operate and support a service provider network. Building Cisco Service Provider Next Generation Networks, Part 2 (SPNGN2) is recommended for students who wish to take the certification exam.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1047 CCNA Series: Building Cisco Service Provider Next-Generation Networks, Part 2 (SPNGN2)****3.5 CEUs**

In this course, the student will gain the knowledge and skills necessary to implement and support a service-provider network. This will be done by focusing on the use of Cisco switches and Cisco routers that are connected in LANs and WANs, and are typically found in the service-provider network. Also, learning to configure, verify, and troubleshoot the various Cisco networking devices will be covered. Through hands-on labs, the student will gain practical skills on deploying Cisco IOS/IOS XE and Cisco IOS XR features to operate and support service provider network.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1048 CCNP Service Provider Series: Deploying Cisco Service Provider Network Routing (SPROUTE)****3.5 CEUs**

Cisco Certified Network Professional (CCNP) Service Provider certification shows that an individual has the knowledge and skills needed to deliver a scalable carrier-grade infrastructure capable of expanding rapidly to support introduction of new managed services and ongoing customer requirements.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1049 CCNP Service Provider Series: Deploying Cisco Service Provider Advanced Network Routing V1.0 SPAdvR****3.5 CEUs**

Learn the skills you need to implement and support service provider networks. This course prepares you to configure, verify and troubleshoot advanced Border Gateway Protocol (BGP) configuration, IP multicasting and IPv6 transition mechanisms. Gain hands-on experience in deploying Cisco IOS, IOS XE, and IOS XR Software features to operate and support a service provider network.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1050 CCNP Service Provider Series: Implementing Cisco Service Provider Core Network Services (SPCORE)****3.5 CEUs**

This course prepares students for Cisco CCNP® Service Provider certification. Curriculum introduces concepts and implementation of Multiprotocol Label Switching (MPLS) as well as MPLS Traffic Engineering (MPLS TE) services. Use the technology principles of basic quality of service (QoS) and QoS with MPLS to implement advanced features and functions.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1051 CCNP Service Provider Series: Implementing Next-Generation Edge Network Services****4 CEUs**

The course gives service provider professionals the skills needed to use service provider VPN solutions and implement Virtual Private Networks (VPNs) within their networks. Students also learn how to enable service provider point of presence (POP) to provide Layer 2 and Layer 3 VPNs.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1052 Introducing Cisco Data Center Networking (DCICN)****3.5 CEUs**

This course prepares the student to take the Introducing Cisco Data Center Networking exam (640-911), one of the exams associated with the CCNA Datacenter Certification. Through hands-on labs, the focus will be on fundamental information on how a Data center network works, how to configure virtualization in the network, addressing schemes, troubleshooting and configuration skills. This course is targeted for individuals that will perform only basic configuration tasks.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1053 Introducing Cisco Data Center Technologies (DCICT)****3.5 CEUs**

This course prepares the student to take the Introducing Cisco Data Center Technologies exam (640-916), one of the exams associated with the CCNA Datacenter Certification. Through hands-on labs, the focus will be on verifying configurations, making configuration changes, and designing new topologies. The introductory level of knowledge in this course is targeted for individuals who can perform only the more basic configuration tasks.

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1054 Securing Cisco Networks with Threat Detection and Analysis (SCYBER)**  
**3.5 CEUs**

This course prepares the student to take the Securing Cisco Networks with Threat Detection and Analysis (SCYBER) exam. This course combines lab-intensive training with lecture materials that allows the student to learn to recognize specific threats and attacks on your network. The course is designed for professional security analysts and the exam covers essential areas of skills, including monitoring, analyzing, responding to security threats..

*Contact hours: 35*

*Not financial aid eligible.*

**ZCIS-1055 CCNA: Cisco Certified Network Associate Industrial (CCNA INDUSTRIAL)**  
**4 CEUs**

This course prepares the student to successfully implement and troubleshoot the most common industry-standard protocols, along with wireless and security technologies, in today's converged IT and industrial networks. The focus will be on achieving competency and the skills needed to configure, maintain, and troubleshoot industry standard network protocols as well as wireless and security technologies. Through classroom instruction and hands-on labs the student will learn how to use current infrastructures while developing a converged platform for flexibility to support future business outcomes. IMINS2 exposes students to multiple industrial network technologies while preparing for the Managing Industrial Networks for Manufacturing with Cisco Technologies (200-601 IMINS2) certification exam

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1056 CCNA Cloud: Understanding Cisco Cloud Fundamentals (CLDFND)**  
**4 CEUs**

This course prepares the student to take the Understanding Cisco Cloud Fundamentals (CLDFND) exam. It is designed to provide students with the required knowledge, skills and abilities to perform tasks that are the foundation of Cloud computing and the deployment models of a Cloud network.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1057 CCNA Cloud: Introducing Cisco Cloud Administration (CLDADM)**  
**4 CEUs**

This course prepares the student for the Introducing Cisco Cloud Administration (CLDADM) certification, an associate-level certification specializing in Cloud technologies. This course is designed to provide students with the necessary knowledge and skills to perform the essentials of Cloud administration and operations.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1058 CCNA: Cisco CCNA Cybersecurity Fundamentals (SECFND) v1.0**  
**4 CEUs**

In preparation for the CCNA Cybersecurity Fundamentals (SECFND) v1.0 exam the students will learn beginning-level skills of basic threat analysis, event correlation, identifying malicious activity, and acquire the core skills needed for the more advanced associate-level materials in the second required exam, "Implementing Cisco Cybersecurity Operations (SECOPS)."

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1059 CCNA: Cisco CCNA Cyber OPS (SECOPS) v1.0**  
**4 CEUs**

In preparation for the CCNA Cyber OPS (SECOPS) v1.0 exam the students will learn Beginning-level skills of basic threat analysis, event correlation, identifying malicious activity, and how to use a playbook for incident response and be on their way to becoming a Security Operations Center (SOC) Analyst at the associate level.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1061 Understanding Cisco Cybersecurity Operations Fundamentals (CBROPS)**  
**4 CEUs**

In preparation for the Cisco Certified CyberOps Associate (200-201 CBROPS) exam the student will learn the key parts of securing information systems.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1062 Securing CISCO Networks with Threat Detection/Analysis (SCYBER)**  
**4 CEUs**

This course prepares students for the Securing CISCO Networks with Threat Detection and Analysis (SCYBER) exam associated with CISCO Cybersecurity Specialist certification. Designed for professional security analysts, this course combines lab-intensive training with lecture materials that help the student learn to recognize specific threats and attacks on a network. The SCYBER exam covers essential skills including event monitoring and analyzing and responding to security threats within a network.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1088 Implementing Cisco Enterprise Advanced Routing and Services (ENARSI 300-410)**  
**4 CEUs**

This course provides participants with the skills and knowledge needed to work in the area of Cisco Technical Routing and Switching. Prepare for the ENARSI 300-410 exam, which certifies a candidate's knowledge of implementing and troubleshooting advanced routing technologies and services including Layer 3; VPN services; and infrastructure security, services and automation.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1089 Implementing and Operating Cisco Enterprise Network Core Technologies (ENCOR 350-401)**

**4 CEUs**

This course gives participants the skills and knowledge needed to implement core Enterprise infrastructure, including dual-stack (IPv4 and IPv6) architecture, virtualization, network assurance, security and automation.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1090 Cisco Certified Network Associate (CCNA 200-301) Vol. 2 Boot Camp**

**40 CEUs**

Prepare for the second step on your path toward CCNA Routing and Switching certification.

Hands-on labs and lectures expand your knowledge of the installation, configuration (OSPF in IPv4 and IPv6), operation and troubleshooting of medium-sized routed and switched networks, including implementation and verification of connections to remote sites in a WAN.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-1091 CCNA: Cisco Certified Network Associate (CCNA 200-301) Vol. 1**

**32 CEUs**

This course offers comprehensive associate-level training focused on the solutions and technologies needed to implement and administer a broad range of modern networking and IT infrastructure. Through a series of hands-on exercises, participants learn and develop the skills needed to master real-world configurations and troubleshooting activities.

Use Cisco ISR 4300/4506/3560/3750/3850/C9300 series routers and switches to apply the Cisco Internetwork Operating System (IOS), and understand the interactions and network functions of firewalls, wireless controllers and access points, IPv6 and basic network security.

*Contact hours: 32*

*Not financial aid eligible.*

**ZCIS-1092 Cisco Certified DevNet Associate (DEVASC 200-901)**

**4 CEUs**

Prepare for the Cisco Certified DevNet Associate (DEVASC 200-901) exam, which confirms the skills of software developers, DevOps engineers, automation specialists and other software professionals.

The exam tests associate-level knowledge of software development and design, APIs, application deployment and security, infrastructure and automation, IoT, DevOps and Cloud on Cisco platforms.

*Contact hours: 40*

*Not financial aid eligible.*

**ZCIS-ZCIS Cisco Certified Network Associate (CCNA) Voice**

**4 CEUs**

This course prepares students for the CCNA Voice exam (IIUC 640-460). Students will develop the skills needed to perform basic IP telephony installation, configuration and maintenance using Cisco Unified Communications Manager Express, Cisco Unity Express and the UC500 Smart Business Communications System solutions. Individuals with CCNA Voice certification are prepared for jobs as voice technology administrators, voice engineers and voice managers.

*Contact hours: 40*

*Not financial aid eligible.*