QuickSTART

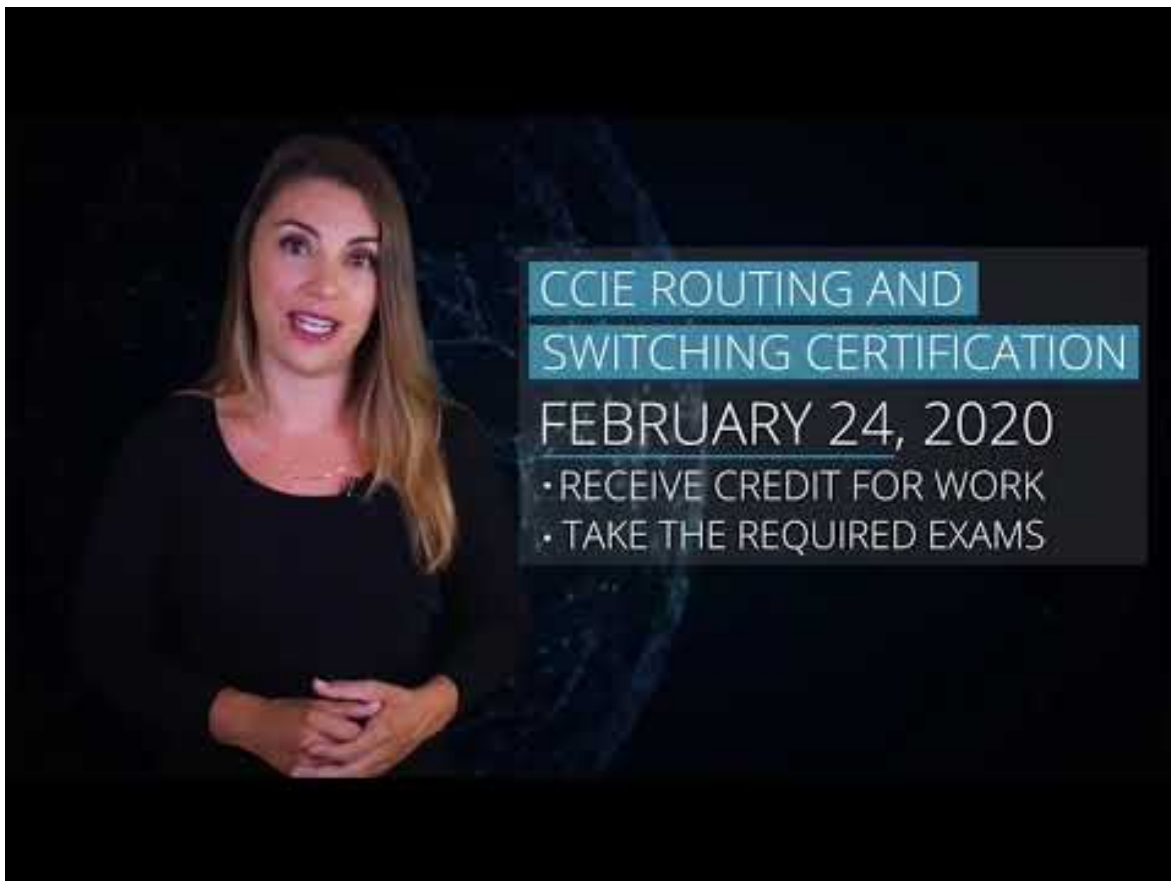## Over 35 Years Of Technology Training

Document Generated: 06/09/2025

Learning Style: Virtual Classroom

Technology: Cisco

Difficulty: Intermediate

Course Duration: 5 Days

Cisco Expert-Level Training for CCIE Routing and Switching Advanced Workshop 2 v5.0 (CIERS2)

About this course:

CIERS2 Advanced Workshop II is approximately 20 percent lecture and 80 percent hands-on labs, designed according to a set of formal learning objectives. The workshop teaches students how to use an expert-level, problem-solving process,

options analysis, end-to-end test-taking strategies, time- and stress-management techniques.

The workshop also includes five 8-hour performance assessments with troubleshooting and configurations sections each, which are graded and returned with interactive Mentor Guide feedback. Performance assessments are delivered on IOS on Linux (IOL) platform.

The average salary of a Cisco Systems Hardware Engineer is **$113,480** per year.

Course Objective:

Upon completion of this course, you will be able to:

- Perform expert-level tasks involving both configuring and troubleshooting WAN and switched Ethernet networks
- Perform expert-level tasks involving both configuring and troubleshooting RIP version 2, Enhanced Interior Gateway Routing Protocol (EIGRP), and Open Shortest Path First (OSPF)
- Perform expert-level tasks for both configuring and troubleshooting route redistribution
- Perform expert-level tasks for both configuring and troubleshooting Border Gateway Protocol (BGP)
- Perform expert-level tasks for both configuring and troubleshooting Multi-Protocol Label Switching (MPLS) Layer 3 Virtual Private Networks (VPN)
- Perform expert-level tasks for both configuring and troubleshooting IP multicast
- Perform expert-level tasks for both configuring and troubleshooting IP version 6 unicast and multicast connectivity
- Perform expert-level tasks for both configuring and troubleshooting router quality of service (QoS) using the Modular QoS CLI (MQC)
- Perform expert-level tasks for both configuring and troubleshooting IP Services

Audience:

- Channel Partners
- Customers
- Employees

Prerequisite:

To gain the prerequisite skills and knowledge, learners must have passed the CCIE Routing and Switching written exam.

Before taking Cisco Expert-Level Training for CCIE R&S Advanced Workshop II (CIERS2), learners should be very familiar with the topics covered in CIERS1. It is also strongly recommended that learners perform at least two self-paced graded assessment exams before attending this course. Learners should be able to

demonstrate advanced-level competencies (knowledge and skills) equivalent to the following from both a configuration and troubleshooting perspective:

-
- Performing expert-level tasks involving RIPv2, EIGRP, and OSPF
- Performing expert-level tasks for route redistribution
- Performing expert-level tasks for BGP
- Performing expert-level tasks for IP multicast
- Performing expert-level tasks for IPv6 unicast connectivity
- Performing expert-level tasks for Router QoS using the MQC

Course Outline:

- **Course Introduction**
- **Lesson 1: Formulating a Final-Phase CCIE Preparation Strategy**
- **Performance Assessment Labs with troubleshooting and configuration sections each:**
- **360RSW05-LAB-TA03, 360RSW05-LAB-CA12**
- **360RSW05-LAB-TA04, 360RSW05-LAB-CA13**
- **360RSW05-LAB-TA05, 360RSW05-LAB-CA14**
- **360RSW05-LAB-TA06, 360RSW05-LAB-CA15**
- **360RSW05-LAB-GA07 (consists of 360RSW05-LAB-TA07, 360RSW05-LAB-CA07)**

When performing each of these labs, learners are allowed to ask the instructor any question. Learners should frame each question as (1) a Cisco CCIE proctor-style question to emulate the actual CCIE lab experience, or (2) a standard instructor-style question to maximize the learning and knowledge-transfer experience.

Credly Badge:

Display your Completion Badge And Get The Recognition You Deserve.

Add a completion and readiness badge to your Linkedin profile, Facebook page, or Twitter account to validate your professional and technical expertise. With badges issued and validated by Credly, you can:

- Let anyone verify your completion and achievement by clicking on the badge
- Display your hard work and validate your expertise
- Display each badge's details about specific skills you developed.

Badges are issued by QuickStart and verified through

Credly.

[Find Out More](#) or [See List Of Badges](#)

https://kpcu.quickstart.com/cisco-expert-level-training-for-ccie-routing-and-switching-advanced-workshop-2-v5-0-ciers2.html