



Cisco's 360 Learning Program for CCIE Routing and Switching

The Cisco 360 Learning Program for CCIE Routing and Switching is designed with high potential network professionals in mind, it is a comprehensive, blended learning program designed to accelerate expert-level competency and provide the skills and training needed to prepare candidates for the rigorous CCIE Routing and Switching exam. This program is not just about certification but about ensuring delegates achieve the skills necessary to operate in the complex network environments of today.

Global Knowledge is uniquely positioned to deliver this program having been closely involved in its development and subsequent pilot.

Global Knowledge was selected as an early delivery partner having been appointed by Cisco to support the Global Talent Acceleration Program (GTAP) in Jordan and India. These newly graduated engineers were being developed into the role of a Cisco Technical Assistance (TAC) engineer, one of the most advanced and most technical roles within Cisco. This rigorous program culminated in the New 360 Learning Program for CCIE Routing and switching, with these engineers being the first to achieve their CCIE's via this program.

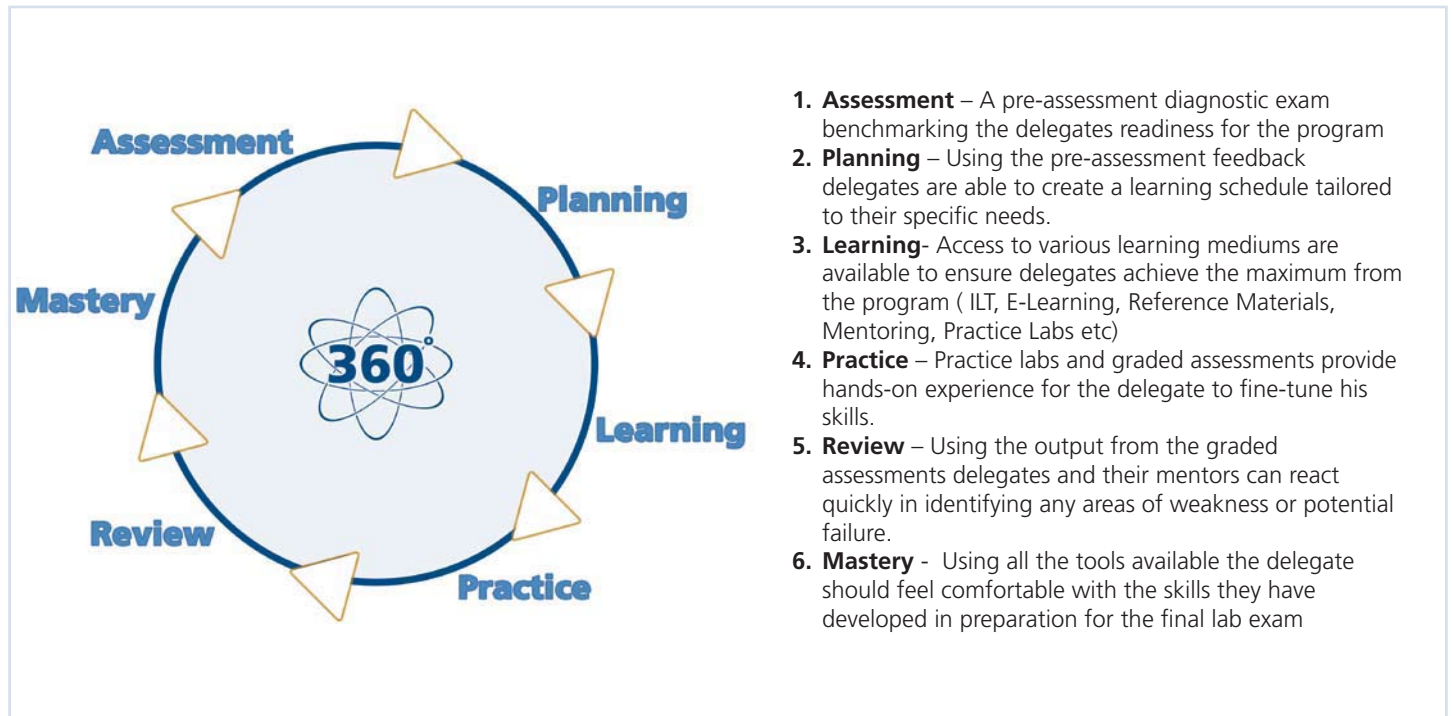
This new CCIE 360 program takes CCIE preparation to a new level, using an educationally excellent method of collaborative learning practices to cater for a broad base of learners with different learning styles and educational preference. At the forefront of Collaborative Learning, and an innovator in this space, Global knowledge has the experience of designing and delivering similar programs for Cisco Professional level certifications and is therefore the obvious delivery partner of choice for the new Cisco CCIE 360 Program. This brochure has been designed to provide you with all the information you need to plan a training schedule that works for you.

Curriculum Developed with a Blended Learning Methodology



The Cisco 360 Concept is a six-stage pathway to success and utilizes a collaborative methodology, combining learning modules, and formative assessments to give learners the ability to customize their training and keep them informed of their absorption of the material as they progress through the various stages of the curriculum.

The new Cisco 360 Learning Program for CCIE Routing and Switching delivers a complete, end-to-end learning environment driven by a Learning Management System (LMS) that offers unique tracking and assessment capabilities. The program includes pre-assessments to identify knowledge gaps, training modules to fill those gaps, lab scenarios to help develop hands-on skills, and practice exams to prepare for the actual certification exams.



What does the program consist of ?

The program consists of four core elements, Self-paced E-Learning, two Instructor Led Advanced Workshops, and Mentoring/Practice Labs.

Whilst it is recommended that all components of the program are followed, so that delegates can experience the full benefits of this unique program it is recognized that each individuals needs are different and therefore the core elements can be broken down further and purchased as individual components designed to meet the specific individuals needs.

Recommended Prerequisites

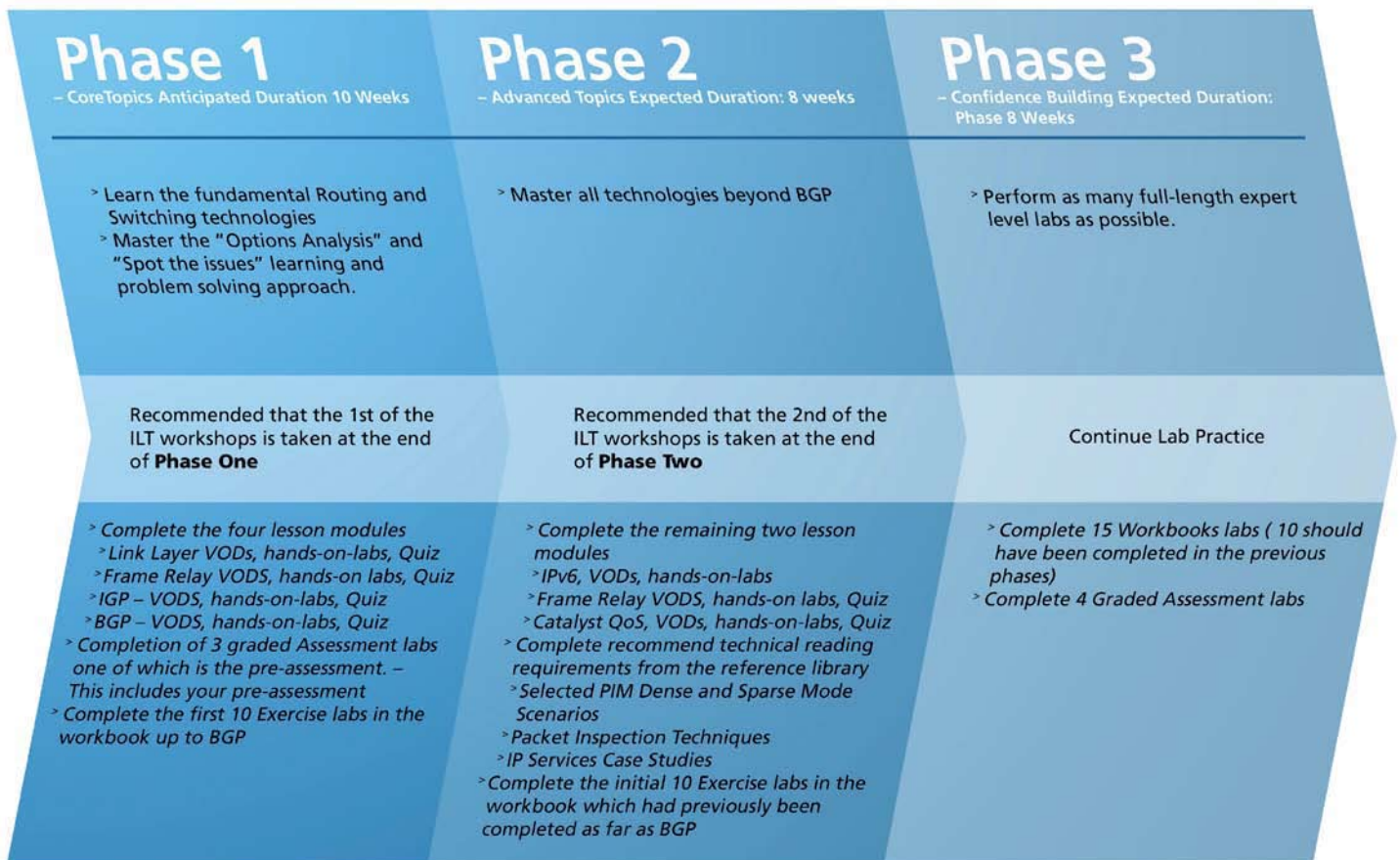
All participants are expected to have attained a CCNP in Routing and Switching and have between 3 and 5 years Routing and Switching experience. The CCIE written exam should also have been attained before starting this program. Global Knowledge offers a CCIE Theory course for those delegates who have yet to pass this exam.

Exam Information

The current version of the CCIE R&S exam is v4.0. This new exam has less emphasis on networking concepts and equipment operation, as these should be understood at professional level and is more focused on the troubleshooting aspects that a CCIE would realistically expect to encounter in a production environment. A number of new topics have been introduced and more detail can be found in [Cisco's Exam Blueprint](#). To support the new version the lab equipment has been upgraded with IOS 12.4(T) on the Routers and IOS 12.2 Advanced IP Services on the Switches. Lab exams can only be scheduled direct with Cisco .

All required information can be found here.

Program Phasing



A delegate's progression through this program is managed via Cisco's Learning Management System which provides delegates with a management tool that is easily accessible and available 24 x 7. The Cisco LMS provides:

- » Online 24x7, accessible via a browser
- » Personalized view of curriculum, learning resources and record of usage
- » Reporting and Tracking
- » Search features & Metrics
- » Trending – Analyzes student progress and readiness
- » Allows management to track progress
- » Options Analysis - Decision Diagrams teaching students to think like experts
- » Technical Library – Searchable large repository of technical info
- » Test and Quiz Tools – Self assessments and Learning Check
- » Downloadable or Online viewable modules protected with digital rights management
- » Self-Assessment Matrix - Acts as a learning roadmap with milestones
- » Forums and closed on-line discussion study group



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Summary of Individual Program Components

Self-Paced eLearning Components

1. Pre-assessment – CIEPREASSES

This is a 4-hour diagnostic pre-assessment lab which is designed to measure the delegate's current competency. A score report is provided and this helps both the delegate and the selected learning provider choose the appropriate curriculum and learning components most suitable for the delegate's needs. This curriculum planning is done with one of our authorized CCIE 360 Instructors thus ensuring that the program recommendation comes from individuals who fully understand the possibilities of each component.

2. Exercise Workbook – CIERSWB

The CCIE R&S workbook contains 30 lab scenarios to help students practice and apply their learning on network equipment. Please note that the purchase of this component does not include the lab rental and it is anticipated that students can use their own practice lab, or that of their employer. Alternatively, Global Knowledge can also provide lab for rent.

» [Practice Lab Workbook](#)

3. eLearning Lessons – Please see below for specific product codes

These on-demand lessons combine audio and video with instructional screens and slides for self-paced study. The lessons include quizzes to check understanding, focused exercises for lab practice, and a mentoring guide that helps students apply their learning on the job.

Lessons for CCIE R&S include:

- » **IPv6** – CIEIPV6
- » **Frame Relay** - CIEFR
- » **Catalyst QoS** - CIECATQoS
- » **Link Layer** - CIELINK
- » **IGP** - CIEIGP
- » **BGP** - CIEBGP
- » NEW! **Troubleshooting** - CIETRBL
- » NEW! **MPLS** - CIEMPLS

4. Assessment Labs - CIERSASSESS- 1 to CIERSASSESS-11

Cisco 360 Learning Program for CCIE R&S offers a suite of 11 nine-hour assessment labs that can be taken independently or as part of an instructor-led workshop. Each assessment tests the student's knowledge of concepts and technologies and tracks progress against learning goals and other students. A built-in mentoring guide provides detailed feedback, corrections and best practices for configurations. Assessments vary in degree of difficulty and are designed to be used at various stages of the learning process.

[Click to view the list of Performance Assessments.](#)

5. Reference Library - CIELIB

The expansive and searchable technical reference library provides over 2000 pages of advanced networking documentation and best practices content. The web-based library is available online through the Cisco 360 Learning Program for CCIE R&S portal.

» [Reference Library Datasheet](#)

Instructor Led Workshops

1. CIERS Advanced Workshop 1 - CIERS1

Led by an experienced CCIE 360 instructor and the first of two 5-day hands-on courses, this course is designed for delegates who require an in-depth understanding of frame relay, link layer, BGP, IGP, etc. This workshop is approximately 60% lecture and 40% hands-on and includes two eight-hour assessment labs, which are graded and returned with mentor feedback. Delegates should be prepared for a week of 12 hour days if they are to get the most from this course. Cisco will provide the courseware in electronic format and delegates must bring their own laptops with them to the course.

2. CIERS Advanced Workshop 2 - CIERS2

Our second 5-day hands-on course is designed for delegates who wish to hone their skills and master advanced configuration and troubleshooting. This workshop is approximately 20% lecture and 80% hands-on labs and includes five eight hour assessment labs which are graded and returned with mentor feedback. It is then anticipated that delegates will work collaboratively with other students on the course and their instructor to review the feedback. Delegates should be prepared for 12 hour days and must bring their own laptops to the session as Cisco will provide the courseware in an electronic format.

Supplementary Support

Practice Labs

Access to practice labs is vital for delegates preparing to take their CCIE Lab exam and whilst some delegates may have access to either their own or their companies labs, many delegates do not.

Global Knowledge is able to provide rack rental for those students involved in the CCIE 360 program. Each lab session is 5.5 hours in duration and can be scheduled on-line at the delegate's convenience. The minimum number of sessions a delegate can purchase is 10

Mentoring

Whilst mentor guides are available to those students who have purchased the E-Learning component of the program it does not totally replace the benefits of a 1: 1 relationship with an experienced and authorized CCIE 360 Mentor/Trainer. Delegates can elect to purchase additional mentoring as detailed below.

» Curriculum Planning (1:1) (30min -1hour)

Mentor recommendations of a personalized training plan based on student self assessment and feedback from the performance based pre-assessment

» Assessment Consultation (small group)(1-2 hours)

Mentor and coaching of strategies in approaching various 360 assessments, what is covered in assessment and where learning materials can be found for assessment preparation. Typically done in a Pre- assessment review and a follow-up Post assessment review

» Chalk Talk Sessions (groups 5-25)

Informal unstructured topic based discussions, with examples and white boarding to create 2 way discussions around technical networking configuration issues.

What are my purchase options?

Global Knowledge hope to make this program as accessible and as affordable as possible and have put together a number of flexible purchasing options allowing you to commit to as much or as little as your budget permits.

Package Options for the CCIE 360 Routing and Switching Program

	A la Carte	Graded Assessment Bundle	Workbook and Lab	Essentials	Preferred / Basic	Premium
Pre Assessment:	✓	CIERSASSESS-3 (CIERS - GA - Lab01)		✓	✓	✓
Exercise Workbook:	✓	CIERSASSESS-4 (CIERS - GA - Lab02)	✓	✓	✓	✓
eLearning Lessons:	✓	CIERSASSESS-10 (CIERS - GA - Lab03)		✓	✓	✓
Assessment Labs:	✓	CIERSASSESS-11 (CIERS - GA - Lab04)	60 Lab sessions (5.5 hrs per session)	✓ (4 labs)	✓ (11 labs)	✓ (11 labs)
Reference Library:	✓			✓	✓	✓
Workshop 1:	✓					✓
Workshop 2:	✓					✓
Package:		CIERS ASSESSBUN	CIERS WBLAB	CIERS ESSENTIALS	CIERS BASIC	CIERS BASICWKSHPLL

* Mentoring Services and Practice Lab Rental can be added to any of these Packages

Cisco Lab Safe Promotion



Cisco has released a special limited-time promotion called Cisco Lab Safe. This promotion offers one free retake of the CCIE R&S lab exam for Cisco 360 Learning Program for CCIE R&S learners who do not pass the lab exam on their first attempt (a \$1,400 US value). To be eligible for the Cisco Lab Safe promotion, individuals must meet these requirements:

- » Obtain their instructor's recommendation
- » Complete the Cisco 360 Learning Program for CCIE R&S Essentials Package or a CIERS instructor led workshop
- » Score 80% or better on at least one performance assessment

Together, the Cisco 360 Learning Program for CCIE R&S and the Cisco Lab Safe promotion provide the training, practice, and added assurance to help experienced networking professionals successfully complete the CCIE examination requirements. The program and promotion are available only through Cisco Authorized Learning Partners, please contact your Global Knowledge account manager for more information.