As the demand for increased bandwidth and faster communication rises, Carrier Ethernet networks are being deployed and upgraded. This is an exciting time for you to master networking skills.

With an extensive set of Carrier Ethernet products, Ciena is uniquely qualified as a leader in these technologies. Ciena's Carrier Ethernet certification training offers cutting-edge industry knowledge and skills that can launch or advance careers in telecommunications.

**Online Carrier Ethernet Associate Certification (CE-A)**

This course provides a firm understanding of Carrier Ethernet technology. It focuses on the fundamentals and conceptual theories behind Carrier Ethernet, such as network devices and topologies. Potential candidates for this course are entry-level Tier 1 support analysts, network technicians, and helpdesk, sales, and marketing personnel.

**Course Structure**

The course focuses on the concepts, theories, and fundamentals of Carrier Ethernet. There are nine modules to learn and master before taking the final certification exam:

- Module 0: Carrier Ethernet Certification Program Overview
- Module 1: Ethernet Basics
- Module 2: Carrier Ethernet Technology
- Module 3: Carrier Ethernet Services
- Module 4: Network Topologies
- Module 5: Connectivity-based Services
- Module 6: Service Attributes
- Module 7: Services and Network Monitoring
- Module 8: Carrier Ethernet Reliability
- Module 9: Synchronization in Carrier Ethernet Networks

**Features & Benefits**

- **Associate certification** provides a foundation in Carrier Ethernet standards, terminology, and applications.
- **Technology-focused**, not equipment-specific (as compared to other industry certifications).
- Offers an alternative to the five-day, instructor-led session, and contains the **same modules and content** presented in the face-to-face course.
- Features mobile-friendly ease; take it **when and where you want**.
- Poses a great opportunity to get the certification before or after a busy day at work, without having to endure the cost and time associated with a week of travel.
Summary Benefits of e-Learning
This format allows you to move at your own pace, and take the course when you want, and, since it is mobile-friendly, where you want. You will receive the same information as in our five-day class. Once you have completed this course, you will be eligible to take the exam and become Ciena CE-A certified.

CE-A Recertification
Ciena Learning is committed to evolving our certifications in pace with technology, and we want to keep you involved as well. Part of that process is recertification of our community of Ciena-certified CE- and OC-Associates, and we offer several options for maintaining or elevating your achievement.

Please contact your Ciena account representative or connect with us here to explore your options.

The program has been designed to provide training in Carrier Ethernet technologies while enabling students to pursue the Professional or Consultant specialization path that best aligns with their needs and interests.

Carrier Ethernet Professional (CE-P)
The CE-P course is designed for technicians who configure and troubleshoot Carrier Ethernet devices and networks. This course focuses on how devices are deployed to support Carrier Ethernet services such as E-Line, E-LAN, and E-Tree. Potential candidates for this course are technicians and engineers responsible for installing, configuring, monitoring, and troubleshooting Carrier Ethernet devices and networks, as well as Tier 1, 2, and 3 network support engineers who troubleshoot network problems at the device level.

Carrier Ethernet Consultant (CE-C)
The CE-C course is designed for an intermediate-level engineer seeking an understanding of Carrier Ethernet network planning and design. Based on expert instruction and case study examples and exercises, this course focuses on using customer requirements to determine the network devices, topologies, and features for the best Carrier Ethernet solution. Potential candidates for this course are intermediate Tier 3 network systems, sales, and network engineers.

Ciena Learning
Ciena Learning delivers innovative training, development, and certification opportunities supporting emerging technologies. The Ciena Learning experience boosts the productivity and potential of novices, professionals, and experts alike.

More than just an information center, we’re a partner who educates, enriches, and empowers. We offer the freedom and flexibility for you to learn how, when, and where you want. And we help you gain the knowledge you need to make a difference—in your organization, your life, and the world around you.

To share in the experience, visit us at ciena.com/learning.