

Course Description

This course provides a basic overview of GPON terminology and components as well as the Calix platforms and ONTs supporting this technology.

Objectives

- Describe the functions of PON components
- Understand common GPON terminology
- Describe key characteristics of optical fiber
- Identify contributors of optical budget loss
- Demonstrate familiarization with Calix GPON components
- Compare the effects of splitter placement in ODN design
- Understand the advantage of FTTx solutions

Who should attend?

- Technicians who manage, maintain, troubleshoot, and configure GPON transport networks
- Technicians who perform installation, provisioning, operations, and maintenance of GPON Optical Distribution Networks Customer Support
- Engineering/Planner

Prerequisite Training and Skills

- Knowledge of basic telecommunications principles
- Understanding of basic optical safety procedures

Training Resources in My Calix

- [Learning Solutions](#)
- [Certifications](#)

Delivery Mode

FOR eLearning USE

This interactive online eLearning course consists of content delivered as video clips, simulations, demonstrations, and other self-paced formats. Learners are prompted to interact with the content as they progress through the course. Calix eLearning courses are often accompanied by voice-over audio. To get the most out of your learning experience, Calix recommends accessing your eLearning course through Chrome or Firefox.

Course Duration: 90 minutes

Lessons		Topics
01	GPON Overview	What is PON GPON Standards Generic PON Architecture GPON Terminology ONT Basic Activation Methods Evolving Optical Network Standards
02	Fiber Optic Basics	Fiber Characteristics PON Components Loss Contributors Understanding Optical Budgets
03	Calix GPON Introduction	Calix GPON platforms Calix E-series Calix ONTs
04	Deployment Considerations	Deployment Options Transport Based Solutions ODN Considerations