

## Course Description

Learn the essential skills and procedures you need to deploy GPON services using the Calix E7 Ethernet Services Access Platform. In this class you will learn how to provision data services and manage E7 GPON ONTs using Calix Management System (CMS). This course applies to both the E7-20 and E7-2.

### Objectives

- Add, remove, and replace E7 GPON ONTs.
- Activate E7 GPON data service

### Who should attend?

- Technicians who manage, maintain, troubleshoot, and configure the E7
- Technicians who configure E7 GPON subscriber services

### Prerequisite Training and Skills

- Completion of Introduction to E7, Configuring E7 Transport, and Configuring E7 Services eLearning courses, or equivalent knowledge and experience
- Understanding of Ethernet networks including Layer 2 switching and VLANs

### Training Resources in My Calix

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

## Delivery Mode

This instructor-led course consists of learning content delivered by an experienced Calix instructor in a virtual classroom or at a physical location. Learners are provided with access to a live lab environment for hands-on lab exercises that reinforce the course content.

Course Duration: ½ day

Lessons	Topics
<b>01</b> E7 GPON Overview	Gigabit Passive Optical Network E7 GPON Equipment Overview E7-2 and E7-20 GPON Cards GPON OIMs and OIM Reach Characteristics GPON Interface Adapter Classroom Topology
<b>02</b> GPON Configuration	800-Series GigaCenter GigaCenter Architecture GPON Port Provisioning Dynamic Bandwidth Allocation Managing ONTs RG Management Profiles ONT Templates Power Shedding Creating ONTs from the Discovered ONTs List
<b>03</b> Activating Data Services	PON Class of Service PON Bandwidth Management Activating Data Service PPPoE Data Service VLAN-Per-Subscriber Data Service