

Course Description

This course provides a basic overview of GPON terminology and components as well as 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.
- Identify the Calix AXOS GPON products by the model name and network location.
- Compare the effects of splitter placement in ODN design.
- Understand advantages of a particular FTTx solution.

Prerequisite Training and Skills

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

Who should attend?

- Network Operations
- Customer Support
- Field Technicians
- Engineering/Planner

Course Duration: 90 minutes

Lessons		Topics
01	PON Overview	PON Standards History GPON Components GPON Frame Formats ONT Activation Ranging Next Generation PON Highlights
02	Fiber Optics Basics	Fiber Characteristics Intersymbol Interference Attenuation Connectors, Splitters and Attenuators Power and Loss Budgets Loss Contributors Tool Examples

03	Calix GPON Introduction	Calix AXOS Inelligent Access Nodes Calix GPON ONT Highlights Calix AXOS Access and Business Nodes
04	Deployment Options Comparison	Calix AXOS Inelligent Access Nodes Calix GPON ONT Highlights Calix AXOS Access and Business Nodes