

GPON Technologies [Gigabit Passive Optical Network] (STC2B01)

Course Overview:

This course is designed to provide an introduction to GPON /FTTH and understanding the difference between ACTIVE and Passive Optic Networks (PONs). It will explain the difference of the two systems and how they provide the many Services in FTTH applications. This course provides the knowledge and skills to help students Design, install, test and maintain Active and Passive Optical Networks (PONs) / Fiber-to-the-Home (FTTH) systems.

Course Objectives:

-) Drivers behind FTTx
-) Basic FTTx terminology
-) Fiber to the home
-) Fiber to the business/building
-) Why use fiber optics?
-) Defining CAPEX and OPEX
-) FTTH and FTTB CAPEX items
-) Design impacts
-) Who's implementing FTTH
-) Triple play network characteristics
-) Fiber technology evolution
-) The evolution from POTS to fiber
-) FTTH PON evolution and development
-) Network architecture
-) Broadband PON
-) Gigabit

Prerequisites:

-) Communications Basics.

Length: 4 Days

