

# Total Access 5000 FTTP

4 days *virtual or classroom* training



With a pure Ethernet core, our Total Access 5000 (TA5000) Series is a 10Gbit/s fiber access platform that supports 10G Combo PON, GPON, XGS-PON, point-to-point, Active Ethernet and dedicated Carrier Ethernet services, among others. It easily scales to support even the most bandwidth-intensive applications. The TA5000 Series provides the bandwidth and Ethernet switching capabilities needed to deliver a highly profitable service offering and bridges the gap between existing and next-generation networks – like 10G PON.

## Objective

This course is designed for those students that will be responsible for either designing, installing, provisioning, or maintaining the Total Access 5000 Fiber to the Premises solutions. This course will include interactive lecture as well as lab exercises. Integrated lab exercises are designed to reinforce the classroom instruction. After completion of the course, the student should be able to turn-up, provision, and maintain an ADTRAN Fiber to the Premises deployment.

## Benefits & Audience

- Benefits: To achieve self-sufficiency at installation, configuration and maintenance of the Total Access 5000 solution
- Certificate of Attendance
- ADTRAN Technical Solutions Professional (ATSP) exam provided at conclusion of training
- Class size: 12 students maximum
- Target Audience: End Users, System Engineers, Network Engineers, Value Added Resellers and Distributors

## Prerequisites

Total Access 5000 Overview (Self-paced)– students can self-enroll at [www.adtranuniversity.com](http://www.adtranuniversity.com)

# Total Access 5000 FTTP

## Agenda

### Theory/Lecture

- Introduction
- Chassis and System Architecture
- Commons Modules / System Turn-Up
- Understanding VLAN Tagging and EVCs
- SCA / Auto-Upgrade Configuration
- Ethernet Ring Protection Switching
- PON Technology Overview
- GPON/XGS-PON Hardware, Install, Turn-Up
- Provisioning Data Service
- Traffic Management
- Provisioning Voice Services
- Transparent LAN Services
- FTTP Maintenance/Troubleshooting
- Introduction to AOE
- Introduction to Mosaic CP TA5K FTTP Plugin

### Practice/Lab

- Students will be using Amazon Workspaces (AWS) for all lab exercises.
- System Discovery
- Ethernet Ring Protection Switching
- GPON Hardware Installation Turn-up
- XGS PON Hardware Installation Turn-up
- Active Ethernet Hardware Installation Turn-up
- Provisioning Data Service
- Provisioning AE Data Service
- Provisioning Traffic Shapers
- Provisioning Voice Service
- Provisioning eLAN Service
- System Configuration Archive
- Upgrading ONT Firmware

## Contact

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## Ordering Information

### Part Number

1600CSYS5010E

1600CSYS5010C

### Description

Per Enrollment (Student)

Per Dedicated course