Adtran UNIVERSITY

Total Access 5000 Fiber to the-Premises (FTTP) Course
(Instructor-led)
Part number: 1600CSYS5010E

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 hands-on 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.

To enroll, go to www.adtranuniversity.com.

Course Content

- Introduction to FTTP
- GPON/XGS-PON Technology
- Active Ethernet Technology
- Hardware Features and Overview
- Installation
- System Management
- Residential and Business Class ONT Turn-up
- Provisioning Data, Voice, and Video Services
- Troubleshooting Procedures (Introduced throughout training)
- Using AOE

Prerequisites
Total Access 5000 Overview (online course)

Course Length
4.5 Days

Course Price
$1,500

Who Should Attend
- Installers
- System Engineers
- Network Engineers
- Network Operations Personnel

Course Outline:

Module 1: Introduction

Module 2: Chassis*

Module 3: Commons Modules and System Turn-Up *

Module 4: Understanding VLAN Tagging and EVCs *

Module 5: System Configuration Archive / Auto-Upgrade Configuration *

Module 6: Ethernet Ring Protection Switching (ERPS)

Module 7: Gigabit Passive Optical Network (GPON) Technology Overview

Module 8: GPON/XGS-PON Hardware, Installation, and Turn-Up

Module 9: Provisioning Data Service

Module 10: Provisioning Voice Service

Module 11: Provisioning Video Service

Module 12: Active Ethernet Application / Turn-Up

Module 13: Active Ethernet Provisioning

Module 14: FTTP Maintenance and Troubleshooting

Module 15: Introduction to AOE

Module 16: FTTP Provisioning with AOE

** These modules are covered in the prerequisite TA 5000 Overview online course. The instructor will review and then build on topics covered in the online course.