

Advanced Network Technician

Course Length	5-10 days
Course Code	1382
Prerequisites	None
Course Overview:	This course prepares the central office technician for dealing with the overwhelming amount of technologies encountered in the CO. The course is a mixture of instructor led discussions and hands-on activities.

*This course can be customized or combined to meet specific system requirements

Course Outline

Telecom Network Overview

- Network Architecture
- Network Equipment
- Transporting Traffic across the network
- Transport Speeds
- Responsibilities of the Central Office Technician

Advanced Copper Technologies

- DSL, T1, HDSL
- Testing and Troubleshooting
- Configuring and interpreting the test sets

Backbone Transport Technologies

- DS3
- SONET
- DWDM and advanced optical networks
- Configuring and Interpreting test sets

Digital Cross Connect Fundamentals

- Overview of DCS
- DCS System Architecture
- Centralized and Remote Testing



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Advanced Network Technician

Packet-based Technologies

- Frame Relay
- ATM
- TCP/IP
- VoIP
- Internetworking

Other Technology Overview

- FTTx
- Wireless Networks

***Extensive* Hands-on Exercises**