

ATM Fundamentals

Course Length	2 Days
Course Code:	1330
Prerequisites	None, however an Introduction to Data technologies course is extremely helpful.
Course Overview:	This course gives an overview of ATM technology and standards. All ATM equipment interfaces, and service parameters and QoS are also discussed.

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

Course Outline

Packet Based Overview

- Traditional Circuit switched
- Packet Switched
- Virtual Circuits
- Packet Technologies Advantages
- Packet Based Technologies

ATM Overview

- Technology overview
- Advantages
- ATM at Layer 2
- ATM applications
- Comparison to other technologies

ATM and the OSI Model

- Purposes
- Layers
- LAN vs. WAN



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ATM Fundamentals

ATM Basics

- Cell format
- Interfaces
- Addressing (VPI/VCI)
- ATM Networks
- ATM Equipment

ATM Parameters

- Service Categories
- Traffic Parameters
- Quality of Service (QoS)
- Usage Parameter Control (UPC)

ATM Test Equipment

ATM Maintenance

- Testing concepts
- Common Problems
- Physical Layer Testing
- Verifying LMI
- In Service Monitoring
- Out-of-Service Testing
- Percent of reliability

ATM Today and Tomorrow