

Asynchronous Transfer Mode (ATM)



NetForce Solutions, Inc.
17281 Simmons Road
Purcellville, VA 20132

phone (540) 338-5824
fax (509) 757-1661

info@netforcesolutions.com

www.netforcesolutions.com

Course Length	1 day
Course Code	NFSATM1
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

ATM Industry Overview
Trends and Drivers

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

OSI Model
Purposes
Layers
LAN vs. WAN

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

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 Maintenance

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



NetForce Solutions, Inc.
17281 Simmons Road
Purcellville, VA 20132

phone (540) 338-5824
fax (509) 757-1661

info@netforcesolutions.com

www.netforcesolutions.com