

**Course 2151: Microsoft Windows 2000 Network and Operating System Essentials  
Three Days – Instructor Led or E-Learning**

**Module 1: Introduction to Windows 2000 and Networking**

Windows 2000 Operating Systems  
Introduction to Networks  
Windows 2000 Implementation of Networking

**Module 2: Administration of a Windows 2000 Network**

Windows 2000 Help  
Administrative Tasks  
Administrative Tools

**Module 3: Securing a Windows 2000 Network**

User Accounts  
Groups  
User Rights  
Permissions

**Module 4: Examining the Network**

Scope of Networks  
Basic Connectivity Components  
Network Topologies  
Network Technologies  
Expanding the Network

**Module 5: Examining Network Protocols**

Introduction to Protocols  
Protocols and Data Transmissions  
Common Protocols  
Other Communication Protocols  
Remote Access Protocols

**Module 6: Examining TCP/IP**

Introduction to TCP/IP  
TCP/IP Protocol Suite  
Name Resolution  
Examining the Data Transfer Process  
Routing Data

**Module 7: Examining IP Addressing**

Classful IP Addressing  
Subnetting a Network  
Planning IP Addressing  
Assigning TCP/IP Addresses

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**Module 8: Optimizing IP Address Allocation**

- Classless Inter-Domain Routing (CIDR)
- Binary IP Addresses
- Binary Subnet Masks
- IP Address Allocation Using CIDR

**Module 9: Examining Web Services**

- Identifying Internet Concepts
- Using Client Technologies
- Connecting to the Internet
- Identifying Web Server Concepts