

Microsoft Technology Associate: Networking Fundamentals

The **Microsoft Technology Associate: Networking Fundamentals** course will last for 10 weeks. There will be a 90-minute weekly training session during which the students will be taught the week's tasks and given study assignments.

Weekly Schedule: Every Thursday from 6: to 7:30 for 10 weeks, beginning 5/19/11.

Weekly Course Outline:

1. Introduction and Examining Local Area Networks
Identifying Network Topologies & Standards
2. Understanding OSI Basics and the Upper OSI Layers
Defining the Communications Subnetwork
3. Recognizing Wired Networks & Media Types
Comprehending Wireless Networks
4. Working with IPv4
Working with IPv6
5. Using Basic TCP/IP Commands
Working with Advanced TCP/IP Commands
6. Setting Up Common Networking Services
Defining More Networking Services
7. Defining Name Resolution Techniques
Understanding Routing
8. Defining Common WAN Technologies and Connections
Understanding Networks outside the LAN
9. Understanding Security Devices and Zones
Conclusion and Exam Preparation
10. Wrap-up and Practice Test

Student Commitment:

- Attend each training session (90 minutes per week)
- At least 2-3 hours of self-study and practice per week
- Participate in the practice test and certification exam upon completion of the course

Course Materials:

- Networking Fundamentals Training Manual (Wiley Press)
- Student Study Guides (www.certipoint.com/mta)
- Networking Fundamentals Practice Tests and Certification Exams

Incentive: Students who successfully pass the certification exam will receive \$150.

Instructor: Ric George

Microsoft Technology Associate: Security Fundamentals

The **Microsoft Technology Associate: Security Fundamentals** course will last for 9 weeks. During each 90 minute weekly training session the students receive instruction and study assignments.

Weekly Schedule: Every Wednesday from 6:00 to 7:30 for 9 weeks, beginning 5/25/11.

Weekly Course Outline:

1. **Course Introduction and Security Overview**
 - Course Expectations
 - Security Overview and Introduction
2. **Chapter 1 – Understanding Security Layers**
 - Security Introduction and Site and Computer Security
3. **Chapter 2 - Authentication**
 - Security through Authentication and Rights, Permissions, and Sharing
4. **Chapter 2 - Authorization and Accounting**
 - Rights, Permissions, and Sharing– continued and Using Encryption to Protect Data
5. **Chapter 3 - Understanding Security Policies**
 - Password Policies and Understanding Common Attack Strategies
6. **Chapter 4 - Understanding Network Security**
 - Using Firewalls and Isolation for Network Protection
7. **Chapter 4 - Understanding Network Security**
 - Protecting Data with Protocol Security and Securing the Wireless Network
8. **Chapter 5 - Protecting the Server and Client**
 - Protecting the Client Computer and Protecting Email
9. **Chapter 5 - Course Review**
 - Securing Internet Explorer and Protecting the Server
 - Wrap-up and Practice Test

Student Commitment:

- Attend each training session (90 minutes per week)
- At least 2-3 hours of self-study in the course textbook and skills practice.
- Participate in the practice test and certification exam upon completion of the course

Course Materials:

- Networking Fundamentals Training Manual (Wiley Press)
- Networking Fundamentals Practice Tests
- Networking Fundamentals Certification

Incentive: Upon successfully passing the certification exam, students will receive \$150.

Instructor: Joseph Brown



Microsoft Technology Associate: Windows Server Administration

The **Microsoft Technology Associate: Windows Server Administration** course will last for 9 weeks. There will be a 90-minute weekly training session during which the students will be taught the week's tasks and given study assignments.

Weekly Schedule: Every Wednesday from 6: to 7:30 for 9 weeks, beginning 5/18/11.

Weekly Course Outline:

1. Understanding What a Server Does
Installing Windows Server 2008 RS
2. Server Configuration
Managing Hardware, Software, and Services
3. Managing Storage
Troubleshooting the Boot Process
4. Performance & Continuity
Understanding Backups
5. Naming Resolution & DHCP
Active Directory Part 1
6. Active Directory Part 2
Introducing NTFS
7. Sharing and Printing
Introducing the Web Server
8. Working Remotely and Virtually
Conclusion and Exam Preparation
9. Wrap-up and Practice Test

Student Commitment:

- Attend each training session (90 minutes per week)
- At least 2-3 hours of self-study and practice per week
- Participate in the practice test and certification exam upon completion of the course

Course Materials:

- Windows Server Administration Training Manual (Wiley Press)
- Student Study Guides (www.certipoint.com/mta)
- Windows Server Administration Practice Tests and Certification Exams

Incentive: Students who successfully pass the certification exam will receive \$150.

Instructor: Ric George