M98367A : Microsoft Security Foundations

Course Outline

Module 1: Understanding Security Layers

- Introducing Core Security Principles
- Understanding Physical Security as the First Line of Defence
- Performing Threat Modelling

Module 2: Understanding Authentication, Authorization and Accounting

- Starting Security with Authentication
- Introducing Directory Services with Active Directory
- Comparing Rights and Permissions
- Understanding NTFS
- Sharing Drives and Folders
- Introducing the Registry
- Using Encryption to Protect Data
- Understanding IPsec
- Introducing Smart Cards
- Configuring Biometrics, Microsoft Hello
- Using Auditing to Complete the Security Picture

Module 3: Understanding Security Policies

- Using Password Policies to Enhance Security
- Protecting Domain User Account Passwords

Module 4: Understanding Network Security

- Using Dedicated Firewalls to Protect a Network
- Using Isolation to Protect the Network
- Protecting Data with Protocol Security
- Understanding Denial-of-Service (DoS) Attacks
- Securing the Wireless Network

Module 5: Protecting the Server and Client

- Protecting the Client Computer
- Managing Client Security Using Microsoft Defender
- Protecting Your Email
- Securing & Configuring Microsoft Edge
- Protecting Your Server
- Using Security Baselines
- Locking Down Devices to Run Only Trusted Applications
- Managing Microsoft Store Apps