

# Foundations of IT Security: Core Concepts

with Lisa Bock

## Network

Security Devices																	
Exploring different types of firewalls												X					
Implementing SCM and UTM												X					
Network Access Protection (NAP)													X				
Network Isolation																	
VLANs													X				
Providing Server and domain isolation														X			
Implementing a Honeypot														X			
Perimeter networks														X			
Network Address Translation (NAT)														X			
	Understand security layers				Understand OS security						Understand network security				Understand security software		
	1.1 Understand core security principles				2.1 Understand user authentication						3.1 Understand dedicated firewalls				4.1 Understand client protection		
	1.2 Understand physical security				2.2 Understand permissions						3.2 Understand Network Access Protection				4.2 Understand email protection		
	1.3 Understand Internet security				2.3 Understand password policies						3.3 Understand network isolation				4.3 Understand server protection		
	1.4 Understand wireless security				2.4 Understand audit policies						3.4 Understand protocol security						
					2.5 Understand encryption												
					2.6 Understand malware												

Protocol Security	Understand security layers				Understand OS security						Understand network security				Understand security software		
Protocol spoofing															X		
DNSsec															X		X
Network sniffing															X		
Common attack methods															X		
Password attacks															X		
IPSec															X		
Client Protection																	
Antivirus																X	
User Account Control (UAC)																X	
Encrypting offline folders, software restriction policies																X	
Physical Security Concepts																	
Ensuring physical protection of buildings and hardware		X															
Physical computer security		X															
Access control		X															
Mobile device security		X															