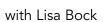
## **Foundations of IT Security: Core Concepts**





## **Operating System**

Operating System				,																	
	Understand security layers	1.1 Understand core security principles	1.2 Understand physical security	1.3 Understand Internet security	1.4 Understand wireless security	Understand OS security	2.1 Understand user authentication	2.2 Understand permissions	2.3 Understand password policies	2.4 Understand audit policies	2.5 Understand encryption	2.6 Understand malware	Understand network security	3.1 Understand dedicated firewalls	3.2 Understand Network Access Protection	3.3 Understand network isolation	3.4 Understand protocol security	Understand security software	client	4.2 Understand email protection	4.3 Understand server protection
Understanding User Authentication		Т																			
Creating Strong Passwords							X	X	X												
Using Smart cards, tokens, and Multifactor							X				X										
Understanding biometric security							X														
Introducing RADIUS							X														
Understanding Permissions																					
Exploring NTFS, File, Share, and Registry security								X													
Understanding Permission behavior								X													
Diving into the Active Directory-Structure								X													
Dissecting Active Directory-Components								X													

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Enabling auditing	ſ	Т	Т	П	$\neg$					X										$\exists$	╗
Determining what to audit			1		┪					X										$\dashv$	$\dashv$
Saving and securing audit files									$\rightarrow$	X										$\exists$	
Protecting the Server	ľ					ľ															
Isolating the Server				П	$\neg$					Ì										П	X
Hardening - updates and patching				ĺ																	X
Protocol good practices				ĺ																	X
Using the Microsoft Baseline Security Analyzer (MBSA)				Ì	$\Box$																X
Understanding Email Projection																					
Protecting the email Client																			X		
Protecting the email Server																			X		
Using Sender Policy Framework (SPF) records																			X		
Understanding PTR records																			X		