

- 15%** **5.0 Security Fundamentals**
- 5.1 Define key security concepts (threats, vulnerabilities, exploits, and mitigation techniques)
 - 5.2 Describe security program elements (user awareness, training, and physical access control)
 - 5.3 Configure and verify device access control using local passwords
 - 5.4 Describe security password policy elements, such as management, complexity, and password alternatives (multifactor authentication, certificates, and biometrics)
 - 5.5 Describe IPsec remote access and site-to-site VPNs
 - 5.6 Configure and verify access control lists
 - 5.7 Configure and verify Layer 2 security features (DHCP snooping, dynamic ARP inspection, and port security)
 - 5.8 Compare authentication, authorization, and accounting concepts
 - 5.9 Describe wireless security protocols (WPA, WPA2, and WPA3)
 - 5.10 Configure and verify WLAN within the GUI using WPA2 PSK