CompTIA Security+ is the first security certification IT professionals should earn. It establishes the core knowledge required of any cybersecurity role and provides a springboard to intermediate-level cybersecurity jobs. The certification emphasizes both the practical and hands-on ability to identify and address security threats, attacks, and vulnerabilities. CompTIA Security+ is a globally trusted, vendor-neutral certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career.

Course Contents:

Chapter 1: Malware and Indicators of Compromise

Chapter 2: Attacks

Chapter 3: Threat Actors

Chapter 4: Vulnerability Scanning and Penetration Testing

Chapter 5: Vulnerabilities and Impacts

Part 2: Technologies and Tools

Chapter 6: Network Components

Chapter 7: Security Tools and Technologies

Chapter 8: Troubleshoot Common Security Issues

Chapter 9: Deploy Mobile Devices Securely

Chapter 10: Implementing Secure Protocols

Part 3: Architecture and Design

Chapter 11: Architecture Frameworks and Secure Network Architectures

Chapter 12: Secure Systems Design and Deployment

Chapter 13: Embedded Systems

Chapter 14: Application Development and Deployment

Chapter 15: Cloud and Virtualization

Chapter 16: Resiliency and Automation strategies

Chapter 17: Physical Security Controls

Part 4: Identity and Access Management

Chapter 18: Identity, Access, and Accounts

Chapter 19: Identity and Access Services

Chapter 20: Identity and Access Management Controls

Part 5: Risk Management

Chapter 21: Policies, Plans and Procedures

Chapter 22: Risk Management and Business Impact Analysis Concepts

Chapter 23: Incident Response, Disaster Recovery and Continuity of Operation

Chapter 24: Digital forensics

Chapter 25: Compare and contrast various types of controls

Chapter 26: Data Security and Privacy Practices

Part 6: Cryptography and PKI

Chapter 27: Cryptography Concepts

Chapter 28: Cryptography Algorithms

Chapter 29: Wireless Security

Chapter 30: Public Key Infrastructure