

# Encryption Specialist

**Duration: 3 Days**

## Course Objectives:

- Mid-level Information Security Auditor
- How to Select the Best Standard for Your Organization
- How to Enhance Your Pen-Testing Knowledge in Encryption
- Common Mistakes Made in Implementing Encryption Technologies
- Correct and Incorrect Deployment of Encryption Technologies
- Best Practices When Implementing Encryption Technologies

Participants Will Also Be Provided A Practical Application Of The Following:

- How to set up a VPN
- Encrypt a drive
- Hands-on experience with steganography
- Hands on experience in cryptographic algorithms ranging from classic ciphers like Caesar cipher to modern day algorithms such as AES and RSA.

## Intended Audience:

Anyone involved in the selection and implementation of VPN's or digital certificates should attend this course. Without understanding cryptography at some depth, people are limited to following marketing hype. Understanding the actual cryptography allows you to know which one to select. A person successfully completing this course will be able to select the encryption standard that is most beneficial to their organization and understand how to effectively deploy that technology. This course is excellent for ethical hackers and penetration testing professionals as most penetration testing courses skip cryptanalysis completely. Many penetration testing professionals testing usually don't attempt to crack cryptography. A basic knowledge of cryptanalysis is very beneficial to any penetration testing.

## Course Outline:

- Module 01: Introduction and History of Cryptography
- Module 02: Symmetric Cryptography & Hashes
- Module 03: Number Theory and Asymmetric Cryptography
- Module 04: Applications of Cryptography
- Module 05: Cryptanalysis

**REGISTER NOW!**

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