



## **DATA ENCRYPTION AND CRYPTOGRAPHY**

### **EC- Council Certified Encryption Specialist (ECES)**

Generally, cryptography is the study and practice of techniques for secure communication while data encryption is the process of encoding messages thereby preventing them from being read by unauthorized parties. It revolves around aspects of information security such as data confidentiality, data integrity, authentication, and non-repudiation.

Data encryption and cryptography has a wide range of application. They include e-commerce, key management, digital rights management, ATM cards, computer passwords, etc. It also comes with strengthened secrecy and integrity in transmission and storage, authentication of identity, and credentialing systems, among several others.

#### **Course Outline:**

- Hashing algorithms
- Asymmetric cryptography
- VPN
- Drive encryption
- Steganography
- Cryptographic algorithms

#### **Who should Attend?**

Anyone involved in the selection and implementation of VPN's or digital certificates, security agents should attend this course