



## ENG-109 - Cybersecurity Essentials for Today

### Description

*\*This course is also available as a live distance learning course\**

Enterprises and organizations today are ever more dependent on networks to conduct business. Information and Communications Technology (ICT) is evolving rapidly, but so are malicious techniques to break systems security, forcing constant monitoring and updating of systems and networks to minimize their vulnerability. In today's increasingly decentralized and ever-more-difficult-to-control network environments, it is essential that network protection continuously evolve to mitigate security threats, safeguard sensitive data and maintain business continuity. This 4-day course will sensitize managers to the principles and best practices of cybersecurity to best protect their organization's networks and systems.

### Topics

The Training Course covers the following topics:

- Introduction to information security fundamentals
  - Computer protection and security
  - Network concepts and network protection
  - Information privacy
  - Safe Internet usage
- Secure communications
  - Cryptography
  - Steganography
  - Critical security controls
- Internet security technologies
  - Vulnerability scanning and remediation
  - Web security
  - Firewalls and perimeters
  - Honeypots

- Host-based protection
- Cybersecurity and cyber law
  - Privacy
  - Intellectual property
  - Professional ethics
  - Trademarks
  - Internet fraud
  - Electronic evidence
  - Cybercrimes / hacking
  - Forensics: technologies, evidence, reporting
- Network assurance
  - Layered defense
  - Surveillance
  - Protection from the outside
- Software and browser security
  - Key concepts
  - Testing
  - Methodologies
  - Cookies and browser storage
  - HTML security
- Contingency and continuity planning
  - Business Continuity Planning (BCP)
  - Disaster Recovery Planning (DRP)
  - Business impact analysis
- Information risk management
  - Asset evaluation and analysis of business impact
  - Risk identification and quantification
  - Incident Response (IR)
  - Control
  - Security policy, compliance, and business continuity
- Cyber security incident analysis and response
  - Incident detection and analysis
  - Containment, eradication, and recovery
  - Proactive and post-incident cyber services
  - Incident prevention

## Learning Outcomes

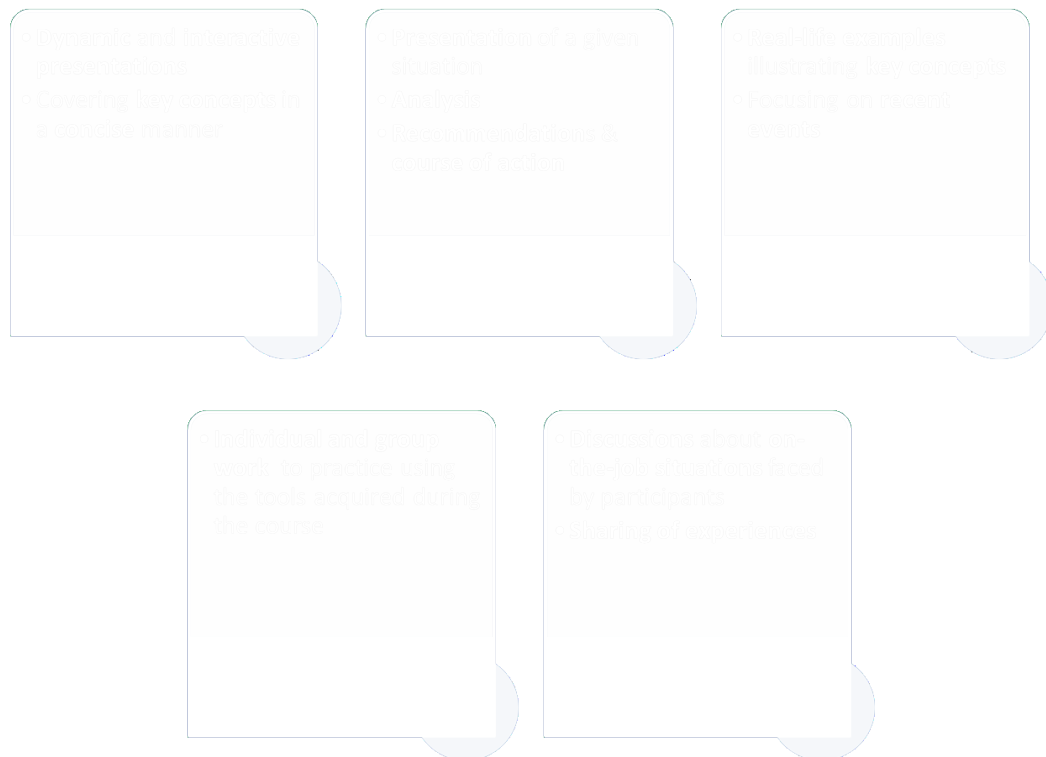
- Identify potential network security threats and analyze exposure to the menaces
- Implement tools to protect organization's networks, systems and data
- Reduce susceptibility to attacks by deploying successful prevention tools
- Identify the risks emanating from both inside and outside the organization and manage them
- Successful use tools to protect network users from hostile applications and viruses and ensure the integrity and confidentiality of your data.

## Target Audience

- Telecommunications, contact center, IT and security managers seeking to gain essential knowledge on network security and to acquire the skills to protect their data, computers and networks

## Methodology

A combination of engaging activities and dynamic presentations to stimulate and maximize participants' learning.



## Location

A selection of Neotelis' training courses is held in various cities around the world. Please contact us at [training@neotelis.com](mailto:training@neotelis.com) for the complete Yearly Training Calendar.



Neotelis can also deliver in-house sessions of this course specifically for your organization. Please contact us at [training@neotelis.com](mailto:training@neotelis.com) for more information and a Proposal.

**About Neotelis**

Neotelis provides training, consulting, conferences and publications to the telecommunications industry worldwide. Its team of senior experts has trained thousands of executives and managers working for operators, regulators, policy-makers and governments in over 120 countries around the world.

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etisalat

4802 de Verdun St, Office #1, Montreal, QC, H4G 1N1 Canada

Tel: +1 514 281 1211 Fax: +1 514 281 2005

info@neotelis.com