

Information Security Fundamentals



Course Length:	1 Day / Half Day / Web-based
Course Code:	NFSIS500
Prerequisites:	None
Course Overview:	This course is offered to provide insight into Information Security – a growing topic of concern for corporate and personal users of computers, the Internet, and digital devices. <i>Information Security Fundamentals</i> is an overview of what Information Security involves, strategies to maintain information integrity, sorting out misleading information in the news, and providing industry awareness.

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Course Outline

Introduction

- What does Information Security mean?
- History
- Relevancy to Day-to-Day Life
- Misunderstandings

In the News and Media

- Identity Theft
- Viruses, Worms, Trojans, and Hoaxes
- Hackers
- Denial of Service (DoS)

Internet and Home Networking

- Broadband Internet Services
- IP Addressing, DHCP, and NAT
- Wireless Home Networks, WEP, 802.11b/g
- Packet and Wireless Sniffing
- Passwords, Encryption, SSL, and E-commerce
- Email and Instant Messaging
- Firewalls
- Gateways
- Peer-to-Peer / File Sharing
- Viruses, Worms, Trojans, and Hoaxes

Wireless / Public Information Access

- Wi-Fi Internet in Public Locations (Hotels, Airports, Coffee Shops, etc.)
- 3G Wireless / Mobile Devices
- Shared Computer Usage (Libraries, Universities, etc.)

Strategies (Corporate and Personal Focus)

- Understanding the Limitations of Information Security
- Solving for the Human-Factor
- Documenting and Reviewing a Security Policy
- Reducing Frustration for Legitimate Users
- Accountability
- Best Practice

Future (Not Too Distant)

- Biometrics and Tracking
- Personal Rights and Private / Anonymous Usage
- New Laws
- Industry and Market Impact

Supplemental

- Websites, Books, Magazines, etc.
- Trade Shows and Conventions