

### Standard Module - IT Security

## **Module Summary**



This module allows candidates to understand the main concepts underlying the secure use of ICT in daily life and to use relevant techniques and applications to maintain a secure network connection, use the Internet safely and securely, and manage data and information appropriately.

On completion of this module the candidate will be able to:

- · Understand the key concepts relating to the importance of secure information and data, physical security, privacy and identity theft.
- · Protect a computer, device, or network from malware and unauthorised access.
- Understand the types of networks, connection types, and network specific issues, including firewalls.
- Browse the World Wide Web; communicate on the Internet securely.
- · Understand security issues related to communications, including e-mail and instant messaging.
- Back up and restore data appropriately and safely; securely dispose of data and devices.

# WHAT ARE THE BENEFITS OF THIS MODULE?

- · Covers the skills needed to understand the key concepts relating to the importance of secure information and data, physical security, privacy, and identity theft.
- · Certifies best practice in IT security.
- Developed with input from computer users, subject matter experts, and practising computer professionals from all over the world. This process ensures the relevance and range of module content.

#### **HOW DO I GET STARTED?**

To find out more about this module and to locate your nearest accredited test centre, please visit www.ecdl.org/programmes.

SYLLABUS OUTLINE	
CATEGORY	SKILL SET
Security Concepts	<ul><li>Data Threats</li><li>Value of Information</li><li>Personal Security</li><li>File Security</li></ul>
Malware	<ul><li>Definition and Function</li><li>Types</li><li>Protection</li></ul>
Network Security	<ul><li>Networks</li><li>Network Connections</li><li>Wireless Security</li><li>Access Control</li></ul>
Secure Web Use	<ul><li>Web Browsing</li><li>Social Networking</li></ul>
Communications	• E-mail

Secure Data Management

- Securing and Backing Up Data
- Secure Destruction

· Instant Messaging

