

Module overview – IT Security

The IT Security 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.

For individuals and for organisations, securing data and information is an increasingly important concern. Data and information are valuable, and you need to have the appropriate knowledge, skills, and awareness to protect them. The IT Security module helps you to secure and protect your, and your organization activities.

Module Outline

Category	Skill set
Security concepts	<ul style="list-style-type: none"> • Data threats • Value of information • Personal security • File security
Malware	<ul style="list-style-type: none"> • Definition and function • Types • Protection
Network security	<ul style="list-style-type: none"> • Networks • Network connections • Wireless security • Access control

Secure web use	<ul style="list-style-type: none">• Web browsing• Social networking
Communications	<ul style="list-style-type: none">• E-mail• Instant messaging
Secure data management	<ul style="list-style-type: none">• Securing and backing-up data• Secure destruction

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.

Learning outcomes

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.

Training Duration

16 hours

Medium of Instruction

Instructor Led Class

Certification

Successful trainees will receive the internationally recognised ICDL Certificate upon completion of the course.