

## ICT and Security Management

# IT Security and Cyber-Crime Prevention

Prepared as a professional course profile for delegate review, sponsorship approval and organisational training planning.

COURSE CODE

**MSD2649**

DELIVERY

**Online / Face-to-Face**

DURATION

**Flexible**

PREPARED FOR

**Organisation Approval**[Register for this Course](#)[View Online Course Page](#)

## Course Overview

The IT Security and Cyber-Crime Prevention course offered by Magna Skills is designed to equip participants with the knowledge and skills necessary to protect organizations from cyber threats and mitigate the risks of cybercrime. This course covers a range of topics, including cybersecurity fundamentals, threat detection and prevention, incident response, and compliance with regulatory standards.

## Course Outcomes

- **Understanding Cybersecurity Fundamentals:** Gain an understanding of cybersecurity concepts, principles, and best practices to establish a strong foundation for protecting digital assets and data.
- **Threat Detection and Prevention:** Learn techniques for detecting, analyzing, and mitigating cyber threats such as malware, phishing attacks, ransomware, and social engineering tactics.
- **Security Architecture and Infrastructure:** Explore the design and implementation of secure IT architectures, including network security, endpoint protection, and access control mechanisms.
- **Incident Response and Management:** Develop skills in incident response planning and execution to effectively respond to cybersecurity incidents and minimize their impact on organizational operations.
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**Compliance and Regulatory Standards:** Understand regulatory requirements and industry standards related to cybersecurity, privacy, and data protection, and learn how to ensure compliance with relevant laws and regulations.

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# Course Outline / Curriculum

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## Module 1: Introduction to Cybersecurity

- Overview of cybersecurity concepts and terminology
- Understanding the cybersecurity threat landscape

## Module 2: Cyber Threats and Attack Vectors

- Types of cyber threats (e.g., malware, phishing, ransomware)
- Common attack vectors and techniques used by cybercriminals

## Module 3: Security Architecture and Infrastructure

- Designing secure IT architectures and networks
- Implementing security controls and access management mechanisms

## Module 4: Endpoint Security and Device Management

- Securing endpoints (e.g., computers, mobile devices)
- Managing and securing IoT devices and systems

## Module 5: Identity and Access Management

- Implementing identity and access management solutions
- Role-based access control (RBAC) and privileged access management (PAM)

## Module 6: Threat Detection and Prevention

- Intrusion detection and prevention systems (IDPS)
- Security information and event management (SIEM) tools

## Module 7: Incident Response and Management

- Developing incident response plans and procedures
- Incident handling and containment techniques

## Module 8: Data Protection and Privacy

- Data encryption and data loss prevention (DLP) solutions
- Compliance with data protection regulations (e.g., GDPR, CCPA)

## Module 9: Security Awareness and Training

- Educating employees about cybersecurity best practices
- Phishing awareness and social engineering training

## Module 10: Compliance and Regulatory Standards

- Understanding cybersecurity regulations and standards
- Achieving compliance with industry frameworks (e.g., NIST, ISO 27001)

The IT Security and Cyber-Crime Prevention course empowers participants with the knowledge and skills needed to protect organizations from cyber threats and safeguard sensitive data. Through a combination of theoretical learning, hands-on exercises, case studies, and practical simulations, participants will develop the expertise required to implement effective cybersecurity measures, detect and respond to cyber incidents, and ensure compliance with regulatory standards.

## Target Audience

Financial institutions; Government agencies; Internet providers; Software developers; System administrators; Network Administrators; Technical Support Specialists; Software/Hardware Developers; Engineers and Office Specialists; Network administrators and other small to large businesses

## Key Course Benefits

### Work-Ready Skills

Delegates leave with practical tools, templates and methods they can apply immediately at work.

### Better Institutional Results

The programme supports stronger planning, reporting, compliance, accountability and service delivery.

### Sponsor-Friendly

This document is designed to help supervisors, HR units and sponsors approve delegate participation quickly.

### Professional Recognition

Delegates receive training documentation and a certificate of completion after successful participation.

## Our Training Centres & Delivery Options

Magna Skills offers flexible delivery through face-to-face training centres across Africa and beyond, plus Online / E-Learning for delegates who prefer remote participation.

### Southern Africa

Practical training destinations with strong travel access and delegate support.

Pretoria, South Africa

Vic Falls, Zimbabwe

Livingstone, Zambia

### East Africa

Popular regional centres for government, NGO and donor-funded project teams.

Kigali, Rwanda

Kampala, Uganda

Nairobi,

Zanzibar, Tanzania

### West Africa & Islands

Strategic locations for regional networking and executive capacity building.

Accra, Ghana

Port Louis, Mauritius

### International Executive Venue

Premium destination training for senior teams and international delegates.

Dubai, United Arab Emirates

### Online / E-Learning

Attend from anywhere through live online, blended or self-paced learning options.

Online, E-Learning

Remote Teams

Flex

### Organisation-Based Training

Magna Skills can also arrange dedicated in-house training for ministries, NGOs and companies.

Onsite

Custom Dates

Group Training

## Ready to Nominate Delegates?

Use the links below to register, review the live course page or contact Magna Skills for organisation-based training support.

[Register / Apply Online](#)

[View Full Course Page](#)

## About Magna Skills

Magna Skills Development Institute provides practical capacity building programmes for government departments, NGOs, public institutions, donor-funded projects and private sector professionals across Africa. Our training approach combines expert facilitation, real workplace case studies, practical tools, post-training support and professional documentation that helps organisations strengthen staff performance and service delivery.

Government Training

NGO Capacity Building

Corporate Workshops

Online Learning

Face-to-Face Training

Certifica

## Approval & Authorisation Form

This section may be completed by the organisation, department, HR office, finance office or sponsor approving delegate participation. It can be attached to an internal memo, procurement request or training approval submission.

<b>Organisation / Department</b>	
<b>Delegate Name(s)</b>	
<b>Approved Course</b>	IT Security and Cyber-Crime Prevention
<b>Preferred Delivery Mode</b>	<input type="checkbox"/> Online <input type="checkbox"/> Face-to-Face <input type="checkbox"/> Organisation-Based Training
<b>Preferred Training Venue / Date</b>	
<b>Estimated Number of Delegates</b>	
<b>Budget / Vote Number</b>	
<b>Contact Person</b>	
<b>Email / Mobile</b>	

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Authorised Name

\_\_\_\_\_  
Signature / Stamp

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Date