MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

Generated: 21-Nov-2026

Course Profile Document

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	DELIVERY	DURATION	PREPARED FOR
MSD2649	**Online / Face-to-Face**	**Flexible**	**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

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.

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

Authorised Name _____ Signature / Stamp _____ Date _____