

AI for NGO, Government and Business

# AI for Cybersecurity and Information Security Management

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

COURSE CODE

**MSDI**

DELIVERY

**Online / Face-to-Face**

DURATION

**Flexible**

PREPARED FOR

**Organisation Approval**

[Register for this Course](#)

[View Online Course Page](#)

## Course Overview

AI is both a powerful cybersecurity tool and a new source of cyber risk. Organizations must understand how AI can strengthen security while also creating threats such as deepfakes, automated phishing and data misuse.

This Magna Skills course equips ICT and security professionals with practical knowledge on AI-supported threat detection, incident response, social engineering, data protection and cyber resilience.

The course focuses on practical controls, governance and awareness that help institutions use AI safely in digital environments.

## Course Outcomes

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### Course Outcomes

1. Understand how AI is used in cybersecurity, threat detection and security monitoring.
2. Identify AI-enabled cyber threats, including deepfakes, phishing and social engineering.
3. Use AI-supported tools to strengthen incident response, reporting and security awareness.
4. Improve data protection, access control and responsible AI use in digital systems.
5. Develop practical cybersecurity controls for safe AI adoption in organizations.

# Course Outline / Curriculum

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## Course Outline

### Module 1: AI in cybersecurity and information security management

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 2: AI-supported threat detection and monitoring

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 3: AI-enabled attacks, deepfakes and phishing risks

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 4: Incident response, reporting and investigation support

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 5: Data protection and access control

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 6: Security awareness and staff training with AI

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 7: Risk assessment and mitigation planning

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 8: Cybersecurity policies and documentation

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

### Module 9: Vendor and third-party AI security risks

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

## Module 10: Developing AI cybersecurity governance controls

- Key concepts, practical examples and sector-based discussion.
- Workplace application activity, templates and implementation considerations.

## Target Audience

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ICT managers, cybersecurity officers, system administrators, information security managers, risk officers, auditors, compliance teams, digital transformation professionals, data protection officers, IT support teams and managers responsible for information systems.

## 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>	AI for Cybersecurity and Information Security Management
<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

\_\_\_\_\_  
Date