MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

Workplace Essentials

Cyber Security

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

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2965	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course

View Online Course Page

Course Overview

In today's digitally connected world, the importance of cybersecurity cannot be overstated. The Comprehensive Cybersecurity Fundamentals course offered by Magna Skills is designed to provide students with a solid foundation in cybersecurity, equipping them with the knowledge and skills necessary to protect organizations and individuals from a wide range of cyber threats. This course covers essential principles, practices, and technologies in cybersecurity to help students develop the expertise needed to secure computer systems and data effectively.

Course Outcomes

Upon successful completion of the Comprehensive Cybersecurity Fundamentals course, students will be able to:

1. Understand the fundamental concepts and terminologies in the field of cybersecurity.
2. Identify common cyber threats and vulnerabilities in both personal and organizational environments.
3. Implement best practices for safeguarding information systems and networks.
4. Analyze and assess the security posture of systems and networks to identify weaknesses and vulnerabilities.
5. Develop strategies to protect data and maintain the confidentiality, integrity, and availability of information.
6. Gain hands-on experience with various cybersecurity tools and technologies.
7. Develop incident response and recovery plans to mitigate the impact of security breaches.
8. Recognize the ethical and legal considerations in cybersecurity.

Course Outline / Curriculum

Module 1: Introduction to Cybersecurity

- Understanding Cybersecurity Fundamentals
- Key Cybersecurity Terminology
- Historical Overview of Cyber Threats

Module 2: Cyber Threats and Vulnerabilities

- Types of Cyber Threats (Malware, Phishing, DDoS, etc.)
- Vulnerability Assessment and Management
- Risk Assessment and Risk Mitigation

Module 3: Security Best Practices

- Access Control and Authentication
- Data Encryption and Cryptography
- Network Security Protocols
- Security Policies and Procedures

Module 4: Security Assessments and Testing

- Penetration Testing
- Vulnerability Scanning
- Security Auditing

Module 5: Network and System Security

- Firewalls and Intrusion Detection Systems (IDS)
- Secure Network Design
- Endpoint Security
- Security for Mobile Devices

Module 6: Data Protection and Privacy

- Data Classification and Handling
- Backup and Recovery Strategies
- Privacy Regulations and Compliance

Module 7: Incident Response and Recovery

- Incident Handling and Reporting
- Disaster Recovery Planning
- Business Continuity

Module 8: Legal and Ethical Aspects of Cybersecurity

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Cybersecurity Laws and Regulations

- Ethics in Cybersecurity
- Professional Responsibility

Module 9: Emerging Technologies and Trends

- Cloud Security
- Internet of Things (IoT) Security
- Artificial Intelligence and Machine Learning in Cybersecurity

Module 10: Capstone Project

- Applying Knowledge to Real-world Scenarios
- Developing a Comprehensive Cybersecurity Plan

Target Audience

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
- Flexib

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	Cyber Security
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 _____