MAGNA SKILLS DEVELOPMENT INSTITUTE

Capacity Building • Professional Training • Organisational Development

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Course Profile Document

Safety, Health and Environment (SHE)

Solid Waste Management and Environmental Management

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

COURSE CODE	DELIVERY	DURATION	PREPARED FOR
MSD2580	**Online / Face-to-Face**	**Flexible**	**Organisation Approval**

Register for this Course

View Online Course Page

Course Overview

This customised Magna Skills programme equips environmental officers, municipal managers, waste management professionals and institutional administrators with practical skills to improve solid waste services and strengthen environmental management.

The programme covers waste assessment, segregation, collection, transport, recycling, resource recovery and disposal. Participants will examine how to reduce pollution, improve operational efficiency and manage environmental risks while promoting public health and community participation.

Through practical exercises and realistic case studies, participants will conduct a waste assessment, develop service improvement measures and prepare an integrated waste and environmental management action plan. Activities will be adapted to participating organisations' responsibilities, available resources and applicable environmental requirements.

Course Outcomes

1. Assess waste generation, composition and existing management practices to identify priority improvements.
2. Plan effective waste segregation, collection, transport, recovery and disposal arrangements.
3. Identify environmental impacts and establish practical pollution prevention and monitoring measures.
4. Strengthen operational planning, occupational safety, contractor oversight and community engagement.
5. Develop an integrated waste and environmental management plan with clear responsibilities and performance indicators.

Course Outline / Curriculum

1. Integrated Solid Waste and Environmental Management

- Examining the relationship between waste services, environmental protection, public health and sustainable development.
- Applying the waste hierarchy to prioritise prevention, reduction, reuse, recycling, recovery and appropriate disposal.

2. Waste Assessment and Characterisation

- Planning waste audits to assess quantities, composition, sources and seasonal variations.
- Using assessment findings to identify service gaps, recovery opportunities and infrastructure needs.

3. Waste Segregation, Storage and Handling

- Designing segregation systems with suitable containers, clear labelling and practical arrangements for different waste streams.
- Establishing safe storage and handling procedures to reduce contamination, litter, odours and pest problems.

4. Waste Collection, Transport and Service Planning

- Planning collection schedules, routes, transfer arrangements and equipment requirements according to service demand.
- Monitoring missed collections, vehicle availability, fuel use and contractor performance to improve service reliability.

5. Recycling, Organic Waste and Resource Recovery

- Assessing opportunities for recycling, composting and other recovery options against waste composition, costs and available markets.
- Developing partnerships with communities, businesses and informal waste workers to improve recovery and participation.

6. Disposal Facilities and Special Waste Streams

- Reviewing disposal facility controls, including access management, waste acceptance, drainage, leachate and landfill gas management.
- Identifying hazardous, healthcare, electronic and construction wastes that require separate handling and authorised treatment or disposal.

7. Environmental Risks and Pollution Prevention

- Assessing potential impacts on soil, water, air, biodiversity and neighbouring communities.
- Developing controls for illegal dumping, open burning, spills, contaminated runoff and other priority environmental risks.

8. Environmental Management Systems and Monitoring

- Establishing environmental objectives, operating procedures, incident records and inspection schedules.
- Selecting indicators and preparing reports on waste diversion, service coverage, complaints, resource use and corrective actions.

9. Safety, Community Engagement and Financial Sustainability

- Strengthening worker safety through task risk assessments, suitable protective equipment, training and incident reporting.
- Developing public awareness activities and evaluating service costs, budgets and funding arrangements.

10. Integrated Case Study and Organisational Action Plan

- Completing a practical case study covering waste assessment, collection planning, recovery options and environmental risk controls.
- Preparing an implementation plan with priority actions, budgets, responsible officers, timelines and measurable results.

Practical takeaway: Participants will develop templates for a waste audit, environmental risk register, inspection checklist, service performance dashboard and waste management action plan.

Target Audience

Junior and mid-career professionals at the management, decision-making and educational level, related to waste handling, urban infrastructure and urban environmental management and engineers and planners dealing with promoting, designing, operating or managing solid waste systems, in low-income countries or countries in transition.

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	Solid Waste Management and Environmental Management
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 _____