TECHNICAL
EDUCATION
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Operational Risk Management Center

COURSE PROGRAMME

000672

HSSE098 - Environmental Management Certificate

The Environmental Management Certificate training programme equips learners with the knowledge and skills to effectively manage environmental responsibilities in the workplace.



Learn from the Best in the Business!

Course overview

Foundation level

Why take this course

The Environmental Management Certificate training programme equips learners with the knowledge and skills to effectively manage environmental responsibilities in the workplace. Designed to address the growing importance of environmental stewardship, this programme integrates ethical, legal, and financial perspectives, linking them to broader issues such as sustainable development and corporate social responsibility.

Participants will explore the principles of environmental management systems, aligned with international standards like ISO 14001, and learn to contribute to continual improvement through the identification and management of environmental aspects and impacts. The course delves into practical measures for controlling noise, air, and water pollution while promoting responsible waste management and energy efficiency. Learners will also gain insights into the importance of environmental emergency planning and preparedness to mitigate risks and ensure compliance with relevant legislation.

By the end of the training, participants will be well-equipped to justify environmental initiatives, implement effective controls, and support sustainable practices, making meaningful contributions to both organizational goals and global environmental objectives. This comprehensive programme is an essential step for professionals committed to creating a safer, cleaner, and more sustainable future.

Who it is for and how it helps

The Environmental Management Certificate is designed for individuals with responsibilities related to environmental management, sustainability, and compliance within their organizations. It is particularly beneficial for:

• Environmental Managers and Advisors tasked with implementing and maintaining environmental management systems.

• Health and Safety Practitioners looking to expand their expertise to include environmental management.

• Sustainability and CSR Officers focusing on corporate social responsibility and sustainable development.

• Operational Managers and Supervisors responsible for environmental performance in industrial or commercial settings.

• Facilities and Maintenance Managers overseeing environmental impacts of facilities and infrastructure.

• Aspiring Environmental Professionals seeking a foundational qualification in environmental management to start their careers in this field.

Course overview — continued

What you will learn

- Justify environmental management in the workplace using ethical, legal, and financial arguments, linking these to wider environmental issues including sustainable development
- Recognise workplace activities which may be subject to environmental legislation or enforcement
- Understand the requirements of, and work within, an environmental management system, whilst contributing to continual improvement
- Assess environmental aspects and associated impacts, determining significant aspects and evaluating current controls
- Support environmental emergency planning and describe suitable emergency preparation and responses
- Understand the importance of reducing environmental harm; identify sources of noise, air, and water pollution; and suggest suitable control measures
- Understand the issues associated with waste and support responsible waste management
- Understand the benefits and limitations of a range of energy sources, and suggest suitable measures to increase energy efficiency

Curriculum

Modules 01–04

01 Foundations of Environmental Management

- The scope and nature of environmental management
- Key environmental issues: pollution, carbon emissions, water resources, deforestation, waste disposal, biodiversity loss, and climate change
- Ethical, legal, and financial reasons for environmental management
- The role of sustainable development and its integration into corporate strategy
- National and international frameworks for environmental regulation
- The role and actions of enforcement agencies

02 Environmental Management Systems (EMS)

- Reasons for implementing an EMS and its alignment with ISO 14001
- Key features of an EMS: context, policy, planning, support, and operations
- Performance evaluation: monitoring, audits, and compliance reviews
- Improvement through corrective actions and continual development
- Benefits and limitations of a formal EMS

03 Environmental Aspects and Impacts Assessment

- Reasons for assessing environmental aspects and impacts
- Types of environmental impacts: direct, indirect, cumulative
- Identifying and evaluating environmental aspects and their significance
- Internal and external sources of environmental data
- Life cycle analysis and its application in environmental assessments
- Recording, reviewing, and managing significant aspects and impacts

04 Planning for and Responding to Environmental Emergencies

- Importance of environmental emergency planning
- Recognizing risks and developing emergency response plans
- Training and communication for emergency preparedness
- Coordination with regulators, neighbours, and media
- Reviewing and improving emergency response plans

Curriculum

Modules 05–09

05 Control of Emissions to Air

- Air quality standards and measurement techniques
- Types of air emissions: pollutants, greenhouse gases, and their sources
- Control measures: filters, scrubbers, adsorption, and combustion
- Challenges in maintaining air emission control systems

06 Control of Environmental Noise

- Sources and effects of environmental noise
- Legal considerations and noise threshold limits
- Noise control methods: isolation, insulation, damping, and management controls
- Monitoring and regulatory compliance for noise management

07 Control of Water Pollution

- Importance of water quality and the water cycle
- Sources of water pollution: agriculture, industry, and natural contamination
- Control measures for reducing water pollution: discharge licensing, water quality indicators, and spill prevention
- Challenges in wastewater management and equipment maintenance

08 Waste Management and Land Use

- Types of waste: hazardous, non-hazardous, and inert
- The waste hierarchy and the business case for waste minimization
- Managing waste: separation, storage, transportation, and disposal
- Circular economy concepts and waste trade issues
- Risks and liabilities from contaminated land

09 Energy Management and Efficiency

- Use of fossil fuels: benefits, limitations, and carbon offsetting
- Renewable energy sources: solar, wind, hydro, geothermal, and nuclear
- Energy efficiency: benefits, monitoring, and control measures
- Emerging technologies and on-site energy generation

Participation and contacts

Joining the programme

Contact the Academy and quote course code 000672 to confirm dates, delivery format, prices and enrolment terms.

Training for your team

Tell us your business goals, the roles and number of participants, and your preferred dates and location. This will help us discuss the right training option.

Preparing for the programme

The published programme does not specify any prerequisites. Contact us before enrolling to confirm how to prepare.

Discuss your training needs

mail@tecedu.org
www.tecedu.academy

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