

Hazmat Courses

Course Name	Handling of Hazardous Materials Emergencies (Ammonia)	Duration	1 Day
Target Audience	Short course intended for all personnel who are required to work with Hazardous Materials		
Course Content	1. History of Ammonia 2. Uses of Ammonia 3. Product Identification	4. Properties of Ammonia and Exposure Limits 5. Handling Ammonia 6. Firefighting and First Aid Measures	

Course Name	Handling of Hazardous Materials Emergencies (LP gas)	Duration	1 Day
Target Audience	Intended for all personnel who are required to work with LP Gas.		
Course Content	1. History of LPG 2. Uses of LPG 3. Product Characteristics and Identification 4. Training of Personnel in LPG	5. Actions in Case of Emergency 6. Inspection and Maintenance 7. Storage 8. Transportation and Handling	

Course Name	Handling of Hazardous Materials Emergencies (Chlorine)	Duration	1 Day
Target Audience	A short course intended for all personnel who are required to work with chlorine and who may have to deal with chlorine emergencies		
Course Content	1. Basic Chlorine Handling 2. Chlorine Containers & Sealing Kits 3. Emergency Preparedness 4. Chlorine Handling & Emergency Response	5. Evacuation Options 6. ERG (Emergency Response Guide) Protection Action Distances Emergency Decontamination 7. PPE	

Course Name	Handling of Hazardous Materials Emergencies (Cyanide)	Duration	1 Day
Target Audience	A short course intended for personnel who handle cyanide in the course of their duties or who respond to cyanide emergencies.		
Course Content	1. Product Identification and Composition 2. The International Cyanide Management Code	3. Risk Management 4. Emergency Preparedness 5. Spill Contingency Plan	

Course Name	Introduction to Hazardous Materials (ERG guidebook)	Duration	1 Day
Target Audience	A short course intended for all personnel who are required to identify an incident or and emergency involving hazardous materials, and take basic preventative measures while calling for assistance		
Pre-Requisites	Mathematical Literacy and Communication Skills at NQF Level 3		
Course Content	<ol style="list-style-type: none"> 1. Introduction to Hazardous Materials 2. Hazardous Materials Identification 3. Incident Management and Problem-Solving Process 		

Course Name	Hazmat First Responders – Awareness	Duration	4 Days
Unit Standard Info	ID – 115223; Title - Demonstrate awareness and take initial actions at a hazardous materials incident; Accreditation Body – LG SETA		
NFPA Standard Info	ID - NFPA 1072; Title - Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualification; Accreditation Body – IFSAC Available for Online/Self-Study		
Target Audience	First Responders or persons handling hazardous materials daily or may be exposed to hazardous materials in an emergency and are expected to take proper initial actions.		
Pre-Requisites	Mathematical Literacy and Communication Skills at NQF Level 4		
Course Content	<ol style="list-style-type: none"> 1. Introduction to Hazardous Materials 2. Analysing the Incident: Recognising and identifying the Presence of Hazardous Material 3. Implementing the Response: Awareness- Level Actions at Hazardous Material Incidents 		

Course Name	Hazmat First Responders – Operational	Duration	10 days
Unit Standard Info	ID – 115217; Title - Deal with hazardous materials Accreditation Body – LG SETA		
NFPA Standard Info	ID - NFPA 1072; Title - Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualification; Accreditation Body – IFSAC Available for Online/Self-Study		
Target Audience	First Responders or persons handling hazardous materials on a daily basis or may be exposed to hazardous materials in an emergency and are expected to take proper initial actions including emergency decontamination.		
Pre-Requisites	<ol style="list-style-type: none"> 1. Hazmat First Responders - Awareness NFPA 472/1072 (IFSAC / Proboard / QCTO / SETA) 2. Mathematical Literacy and Communication Skills at NQF Level 4 		
Course Content	<ol style="list-style-type: none"> 1. Analysing the Incident: Identifying Potential Hazards 2. Analysing the Incident: Predicting Behaviour and Identifying Containers 3. Planning the Response: Identifying Action Options 4. Implementing and Evaluating the Action Plan: Incident Management and Response Objectives and Action Options 5. Implementing the Response: Terrorist Attacks, Criminal Activities, and Disasters 6. Implementing the Response: Personal Protective Equipment 7. Implementing the Response: Decontamination 8. Implementing the Response: Mission-Specific Product Control 		

Course Name	Hazmat First Responder – Technician	Duration	15 Days
Unit Standard Info	ID – 260131; Title -; Supervise a hazardous materials incident Accreditation Body – LG SETA		
NFPA Standard Info	ID - NFPA 1072; Title - Standard for Hazardous Materials/Weapons of Mass Destruction Emergency Response Personnel Professional Qualification; Accreditation Body – IFSAC Available for Online/Self-Study		
Target Audience	<ol style="list-style-type: none"> Persons currently employed in an emergency service that wish to further develop their competencies and enhance their career opportunities Any person that may handle hazardous materials on a daily basis or may be exposed to hazardous materials in case of an emergency 		
Pre-Requisites	<ol style="list-style-type: none"> Hazmat First Responders – Operational NFPA 472/1072 (IFSAC / Proboard / QCTO / SETA) Mathematical Literacy and Communication Skills at NQF Level 4 No Claustrophobia or Acrophobia 		
Course Content	<ol style="list-style-type: none"> Introduction to Hazmat Technician Analysing the Incident: Understanding how matter behaves Analysing the Incident: Understanding atomic structure and chemistry of hazardous materials WMD's Analysing the Incident: Understanding common families and special hazards of hazardous materials Analysing the Incident: Detection, monitoring, and sampling procedures Analysing the Incident: Detecting, monitoring, and sampling hazardous materials Analysing the Incident: Collecting and interpreting hazard and response information Analysing the Incident: Assessing container condition, predicting behaviour, and estimating outcomes Planning the response – developing response objectives Implementing and evaluating the action plan – Incident Management Implementing the Action Plan: Personal Protective Equipment Implementing the Action Plan: Decontamination Implementing the Action Plan: Product Control Implementing the Action Plan: Incident demobilisation and termination 		

Course Name	Transportation of Dangerous Goods	Duration	1 Day
Unit Standard Info	ID – 123259; Title - Convey Dangerous Goods by Road. Accreditation Body – TETA		
Target Audience	Those seeking credits towards various qualifications in International Trade, Freight Handling and Professional Driving		
Pre-Requisites	Mathematical Literacy and Communication Skills at NQF Level 2		
Course Content	<ol style="list-style-type: none"> Introduction to Conveying Dangerous Goods Dangerous Goods Classification, Exempt Quantities and Compatibility Placarding and Documentation 	<ol style="list-style-type: none"> Emergency Response Procedures and Personal Protective Equipment Drivers Duties, Documentation and Behaviour Loading and Off-Loading Dangerous Goods Firefighting 	