

Model Curriculum

Fire Safety Technician (Oil & Gas)

SECTOR: HYDROCARBON
SUB-SECTOR: MIDSTREAM, DOWNSTREAM
OCCUPATION: MANAGEMENT OF HEALTH, SAFETY AND ENVIRONMENT (HSE)
REF ID: HYC/Q3601, V1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

HYDROCARBON SECTOR SKILLS COUNCIL

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: 'Fire Safety Technician (Oil & Gas)' QP No. 'HYC/Q3601, v1.0, NSQF Level 4'

Date of Issuance: **August 14th, 2019**

Valid up to: **August 14th, 2023**

* Valid up to the next review date of the Qualification Pack



Authorised Signatory
(Hydrocarbon Sector Skill Council)

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Fire Safety Technician (Oil & Gas)

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Fire Safety Technician (Oil & Gas)”, in the “Hydrocarbon” Sector/Industry and aims at building the following key competencies amongst the learner.

Program Name	Fire Safety Technician (Oil & Gas)		
Qualification Pack Name & Reference ID	HYC/Q3601, v1.0		
Version No.	1.0	Version Update Date	14-08-2019
Pre-requisites to Training	Class X / ITI (two years after class 8 th)		
Training Outcomes	<p>After completing this program, participants will be able to:</p> <ul style="list-style-type: none"> • Carry out safety procedural checks as per safety rules and procedures specific to oil and gas installations and conduct safety demonstration • Perform firefighting operations and undertake fire safety measures to ensure safety of workers and communities surrounding the oil and gas installation area • Work effectively with colleagues, superiors, members of own work group, people in other work groups within or outside the organization 		

This course encompasses 3 out of 3 National Occupational Standards (NOS) of “Fire Safety Technician (Oil & Gas)” Qualification Pack issued by “Hydrocarbon Sector Skill Council”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<p>Introduction to Hydrocarbon Sector</p> <p>Theory Duration (hh:mm) 08:00</p> <p>Practical Duration (hh:mm) 00:00</p> <p>Corresponding NOS Code Bridge Module</p>	<ul style="list-style-type: none"> Describe oil and gas sector and its sub-sectors List the three major segments in the hydrocarbon sector State the functions of upstream, midstream and downstream segments List the roles and responsibilities of a fire safety technician 	
2	<p>Prepare workplace in line with fire safety rules</p> <p>Theory Duration (hh:mm) 50:00</p> <p>Practical Duration (hh:mm) 100:00</p> <p>Corresponding NOS Code HYC/N3601</p>	<ul style="list-style-type: none"> Describe the Oil Industry Safety Directorate (OISD) standards related to firefighting equipment and appliances in oil and gas industry Describe the policies related to occupational health and safety Describe how to prepare the checklist for monitoring safety regulations specific to oil and gas installations Describe the effects of oil spills or gas leakage Explain impact on environment due to fire incidents caused by oil spills or gas leakage List fire safety equipment and safety signage and their usage Demonstrate how to install and maintain fire safety equipment Demonstrate the procedure to conduct daily inspection of fire safety equipment Describe how to coordinate with operation and maintenance team for conducting fire safety awareness programs and safety drills Demonstrate rescue techniques during fire incidents Demonstrate how to respond promptly and appropriately during fire incident Demonstrate fire safety equipment usage in emergency situations Demonstrate how to administer first aid to victims in case of emergencies Demonstrate how to ensure readiness of fire safety equipment for any type of emergency situations List issues concerning fire safety at work 	<ul style="list-style-type: none"> Fire safety equipment Portable fire pump Sprinkler systems Smoke control systems Fire Alarm Fire trays Various types of fire extinguisher Fire hose Safety shirt Safety trouser Safety jacket

Note: For the assessment criteria please refer to the Qualification Pack of “HYC/Q3601, v.1.0”.