

## **The City & Guilds International Vocational Qualification (IVQ) in Oil and Gas (8510) (Mechanical Maintenance Technician).**

### **Qualification structure**

#### **Qualifications Pathway for Mechanical Maintenance Technician.**

The pathway is comprises of three stages of which candidates must complete Stage One, two and three.

Stage 1 carries six (6) mandatory units that lead to *award in certificate Advance in Oil and gas Maintenance (Core skills)*

Stage 2 carries three (3) Mandatory units and two (2) out of six (6) optional units. Upon successful completion of this stage *Advance Award in Oil and Gas certificate will be awarded.*

Stage 3 carries six (6) optional units, candidates may choose two (2) from the six (6) units. This stage leads to *IVQ Advanced Diploma in Oil and Gas (full Cert) Mechanical Maintenance Technician.*

The recommended guided learning hours (GLH\*) to complete this pathway is **270 hours/pathway**

### **Requirements**

There are no formal entry requirements for candidates undertaking this qualification. However, we have to ensure that candidates are potential and opportunity to be successfully gained the qualification.

Candidates must have adequate level of English speaking, reading, listening and writing skills to competently cover the aspect of this qualification such as answering underpinning knowledge questions orally and/or writing, and reading assessor notes regarding their observations.

**This qualification is highly recommended for candidates with 2 years experience in Oil and gas Maintenance.**

What is Guided Learning Hours (GLH)?

The Guided Learning Hours is defines as the amount of contact time, including assessment, which is likely to be required for a candidate to complete all the knowledge and practical requirements for this qualification. Additional time may be required by candidates for self study, research and unsupervised practice and by Tutors for day to day marking of assignments or homework where candidate is not present.

Pathway Stage	Unit	Unit and Description	Remarks
Stage 1	001	Handing over processes, plant and equipment	Mandatory
Stage 1	002	Restoring the workplace after completing the maintenance procedures of plant and equipment	Mandatory
Stage 1	003	Minimizing and reducing risks to life, property and the environment at work	Mandatory
Stage 1	004	Operating safely at work, minimizing risks and complying with emergency procedures	Mandatory
Stage 1	005	Participating in activities to develop effective working relationships	Mandatory
Stage 1	006	Arranging and preparing the workplace for the maintenance of plant and equipment	Mandatory
Stage 2	007	Performing maintenance procedures on mechanical plant and equipment	Mandatory
Stage 2	008	Assessing and dealing with defects and variations in mechanical plant and equipment	Mandatory
Stage 2	009	Identifying and analyzing the causes of defects in mechanical plant and equipment	Mandatory
Stage 2	<b>To select any two (2)</b>		Optional
Stage 2	010	Arranging equipment in preparation for mechanical engineering activities	
Stage 2	011	Preparing materials for the maintenance of mechanical plant and equipment	
Stage 2	012	Modifying mechanical plant and equipment to meet operational requirements	
Stage 2	013	Removing components from mechanical plant and equipment	
Stage 2	014	Replacing components in mechanical plant and equipment	
Stage 2	015	Establishing the viability of repairing components from mechanical plant and equipment	
Stage 3	<b>To select any two (two)</b>		Optional
	016	Understanding and analysing detailed mechanical information from technical sources	
	017	Obtaining information from mechanical engineering diagrams and specifications	
	018	Analysing and recommending improvements to maintenance procedures for mechanical plant and equipment	
	019	Verifying that mechanical engineering processes have been completed to required specifications	
	020	Examining the performance and state of mechanical plant and equipment	
	021	Monitoring the performance and state of mechanical plant and equipment	

	022	Assessing the performance and state of mechanical plant and equipment	
	023	Examining mechanical plant and equipment	