

KENSON ASSURED CERTIFICATE IN OIL AND GAS REFINEMENT (ADVANCE) (ELECTRICAL MAINTENANCE TECHNICIAN)

I. Overview

The **Kenson Assured Certificate in Oil and Gas Refinement (Advance) (Electrical Maintenance Technician)** focuses on the development of the underlying principles and practical skills required in the oil and gas industry.

The qualification is designed to deliver a high level of occupational capability and provide a sound foundation for progression.

The qualification meets the needs of learners who work or desire to work in the oil and gas industry and provides a broad background of understanding of the oil and gas industry and the practical skills and knowledge required.

II. Entry Requirements

To gain entry into this programme the candidate is required to have:

- Five (5) CXC subjects, inclusive of Mathematics and Science (Chemistry, Physics or Integrated Science) or a postsecondary Technician's Diploma from an approved postsecondary education.
- If the student does not have the required Mathematics or Science subjects, KSPTL shall offer Mathematics and Science Bridging programmes to ensure students attain the necessary academic requiem to pursue the programme. **OR**
- Mature Entry Route: Candidate required to be 21 years or older, having two or more years relevant work experience as well as General Certificate of Education (GCE) Ordinary Level (or equivalent High School qualification) Maths and English.

III. Aims

The aim of this programme is provide an extensive background and understanding of the oil and gas industry and the practical skills and knowledge required to operate in the industry.

IV. Course Content

Some of the units to be delivered include:

- KEMT 110 - Electrical Theory Fundamentals
- KEMT 120 - Hand Over Processes
- KEMT 130 - Workplace Restoration
- KEMT 140 - Risk Minimization and Reduction
- KEMT 150 - HSE practices and procedures
- KEMT 160 - Effective Workplace Communication
- KEMT 170 - Preparation for the Job Maintenance
- KEMT 210 - Electrical Maintenance Procedures
- KEMT 220 - Assessments on Electrical plant and equipment
- KEMT 230 - Fault Finding Analysis on Electrical Equipment

V. Instructional Techniques

The instructional techniques include: video presentations and case studies, review exercise, field trips, instructor and student-led discussions, lectures, question and answer sessions, worksheet exercise and simulated production/operation activities.