

DIPLOMA IN ELECTRICAL ENGINEERING - HEAVY CURRENT

PURPOSE OF THE COURSE

This course will enhance the social status, productivity and employability of the learner within the electrical engineering and energy sector and contribute to the quality, production rate and growth of the electrical engineering and energy sector.

A person acquiring all skills in this course, will have skills, knowledge and experience to:

- Evaluate and apply essential methods to technical operational systems.
- Analyze and apply acquired knowledge in performing the tasks and solve common problems.
- Gather and analyze relevant information, use data to apply theories and principles within electrical engineering related situations.

- Execute role and responsibilities by being able to summarize, classify, discuss and estimate application processes required through mathematical concepts, technical and schematic diagrams, computer and technology usage in a range of different contexts.
- Communicate with peers, customers and members of supervisory/management levels by presenting information reliably and accurately in spoken and written form.

Rationale of the Course.

This is an occupational based course for learners that reflect the workplace-based needs of the electrical engineering and energy field that is expressed by employers and employees, both now and for the future. This course provides the learner with accessibility to be

employed within the electrical engineering and energy field and provides the flexibility to pursue different careers in the broader electrical engineering and energy sector and articulate within the Engineering, Electrical Construction, Generation, Transmission and Distribution specialization contexts.

COURSE DURATION :

(N4 – N6) 12 months

AWARD :

A student will qualify for a National N Diploma **Electrical Engineering** on completion of a minimum of 12 subjects, ranging from N4 to N6, together with a minimum of two years in-service training.

Certification Body :

All N Certificate and Diplomas are issued by the National Department of Education

and are recognised by Commerce and Industry.

SYLLABUS :

Subjects in N4 (3 Months)

- Mathematics
- Engineering Science
- Industrial Electronics
- Electrotechnics

Subjects in N5 (3 Months)

- Mathematics
- Engineering Science
- Industrial Electronics
- Electrotechnics

Subjects in N6 (3 Months)

- Mathematics
- Engineering Science
- Industrial Electronics
- Electrotechnics

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