



JEPPE
VOCATIONAL TRAINING CENTRE
MerSETA ACCREDITATION NO: 17-QA/ACC/1101/15

JVTC PROVIDER QUALIFICATION IN ELECTRICAL

1. Programme Structure

JVTC Certificate of Competence in Electrical

Duration: 3 Months

Programme Accreditation: Skills Development.

Certifying Body: JVTC

NB. Provider qualifications do not carry any NQF Credits

1.1 Purpose and Rationale of Qualification

This qualification is designed to provide an opportunity for the learners to have an understanding of technical electrical construction principles and skills. The course further empowers students with analytical abilities which involve mathematical calculations and manipulations, hand-skills (practical skills).

1.2 career opportunities

- Electrician
- Factory maintenance
- Instrumentation

1.3 Course structure

1st MONTH

- safety
- Read engineering drawings
- Measure and mark off material
- Use hand tools
- Use and maintain a pedestal grinder and drill
- Convert units and prefixes
- Explain electromagnetism
- Use of electrical measuring instruments.

2nd MONTH

- Test a resistance box
- Analyse electrical units
- Explain single phase & 3phase power suppliers and transformers
- Use electrical measuring instruments
- Read an energy meter
- Select conductors and cables
- Wire light switching circuits and Earthing
- Identify lights and lighting circuits

3rd MONTH

- Explain single phase earth leakage protection circuits
- Explain three phase earth leakage units
- Test an installation
- Fit a 16amp plug top
- Fault find basic electrical circuits
- DC & AC Motors

Payment Requirements

- Tuition fee: R8500
- 1 Ream of paper
- Student levy: R350

NOTE:

1. The tuition fee can be paid at once or in 3 monthly instalments.
2. No learner will receive his/her certificate before full payment of all the tuition fees is paid to the college account.

1.4 Registration requirements: Guardian and learner certified ID copies, completed registration documents, proof of residence and a minimum of a grade 9 school report.

Banking Details:Jeppe Vocational Training Centre: Standard Bank Account NO. 002498200 Branch Code 5205