



TEKmation Training Institute FET College

Engineering Education and Skills Development

Private Further Education and Training College

Company Reg : 2011/002576/07

DHET Reg No : 2011/FE07/078

Trade: Electrician

Code: EP1

Course Title: Electrician Phase 1

Course Duration: 14 Weeks

Course Content: This course is designed to enable the learner to receive a good basic grounding and exposure to the skills and equipment that is used in the trade. 1st year Apprentices.

- Induction to Tekmation.
- Occupational Safety.
- Basic First aid.
- Select, Use & Care For Engineering Hand Tools.
- Select, Use & Care For Engineering Workshop Tools.
- Identify And Select Materials.
- Read, Interpret & Produce Engineering Drawings & Sketches.
- Marking Off - basic engineering shapes.
- Apply Basic Hand Skills.
- Design & Wiring Electrical Circuits.





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Trade: Electrician

Code: EP2

Course Title: Electrician Phase 2

Course Duration: 15 Weeks

Course Content: 2nd Year Apprentices who have successfully completed Phase 1 Electrician course are eligible or individuals who have been recommended for this course as a result of an evaluation conducted at this Centre. The course is designed to enable the learner to receive the skills and knowledge that is used in the trade.

- Perform Arc Welding.
- Perform Gas Welding & Brazing.
- Perform Gas Cutting & Heating.
- Basic Lifting Techniques.
- Soldering and De-Soldering.
- Identify, Install & Test Conductors.
- Identify, Join & Test Cables.
- Identify, Install & Test AC Machines.
- Identify, Install & Test DC Machines.
- Identify, Install & Test Electromotors.





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Trade: Electrician

Code: EP3

Course Title: Electrician Phase 3

Course Duration: 10 Weeks

Course Content: 3rd year Apprentices who have successfully completed the Phase 2 Apprentice Electrician course are eligible or individuals who have been recommended for this course as a result of an evaluation conducted at this Centre. The course is designed to enable the learner to receive the skills and knowledge that is used in the trade. Individuals how meet the apprentice requirement are eligible to attempt the National Trade Test.

- Electrical Testing Instruments (Portable).
- Electrical Measuring Instruments (Panel Mounted).
- Electrical Equipment.
- Installations work.
- Fault Finding.
- Design & Program PLC's.

