



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: Refrigeration Mechanician

Code: RMP1

Course Title: Refrigeration Mechanician Phase 1

Course Duration: 13 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.
- Marking Off - basic engineering shapes.
- Hand Skills - Grind Tools & Drill Bits.
- Perform Arc Welding.
- Perform Gas Welding & Brazing.
- Perform Gas Cutting & Heating.
- Read, Interpret & Produce Engineering Drawings & Sketches.
- Fundamentals of Refrigeration.





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Trade: Refrigeration Mechanician

Code: RMP2

Course Title: Refrigeration Mechanician Phase 2

Course Duration: 14 Weeks

Course Content: 2nd year Apprentices who have successfully completed the Phase 1 Apprentice Refrigeration Mechanician 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.

- Drawings and Sketches
- Refrigeration
- Accessories
- Condensers and cooling towers / Evaporators
- Fans / Compressors
- Insulation (lagging)
- Assemblies – Identify, Repair & Maintain.
- Lubrication (LU 1, 2, 3)
- Identify & Maintain Bearings.
- Identify Maintain Lubrication systems.
- Identify Maintain & Install Drives.





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Trade: Refrigeration Mechanician

Code: RMP3

Course Title: Refrigeration Mechanician Phase 3

Course Duration: 16 Weeks

Course Content: 3rd year Apprentices who have successfully completed the Phase 2 Apprentice Refrigeration Mechanician 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.

- Cables
- Electrical Testing Instruments
- Basic Lifting Techniques
- Condensors & Cooling Towers / Evaporators
- Compressors
- Fans
- Refrigeration
- Refrigeration system
- Installation of Machinery
- Fault Finding
- Fault find, repair and maintain AC motors
- Code of Practice

