



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: Instrument Mechanician

Code: IMP1

Course Title: Instrument Mechanician Phase 1

Course Duration: 10 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.
- Apply Basic Hand Skills.
- Perform Arc Welding.
- Soldering and De-Soldering.





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Trade: Instrument Mechanician

Code: IMP2

Course Title: Instrument Mechanician Phase 2

Course Duration: 16 Weeks

Course Content: 2nd Year Apprentices who have successfully completed Phase 1 Instrument 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.

- Read, Interpret & Produce Engineering Drawings & Sketches.
- Thermocouples and resistance bulbs.
- Pneumatic components and installation / Pneumatics.
- Electrical and electronic test instruments.
- Identify, Install & Test Electronics
- Identify, Join & Test Cables.
- Identify, Install & Test AC Machines.





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Trade: Instrument Mechanician

Code: IMP3

Course Title: Instrument Mechanician Phase 3

Course Duration: 13 Weeks

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

- Electronic Equipment.
- Control Valves and positioners.
- Sensors and Transmitters.
- Instrument Maintenance / Electrical, electronic and pneumatic applications.
- Electrical, electronic and pneumatic applications.
- Micro Processors.

