



higher education
& training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA



Tshwane South
TVET College

"achieve the future"

Pretoria West Campus

Apprenticeship / Practical Skills Training

Minimum Requirements:

- Complete N2 including the four relevant subjects of mathematics (not math's literacy), engineering science, trade theory and fourth subject as required by the trade, or
- Relevant Engineering NCV Certificate with seven subjects at NQF 3, or
- Technical Grade 11 with mathematics, engineering science, language and related trade theory subject,
or
- Technical trade theory programs quality assured by a SETA deemed to be equivalent to NQF level 3.

Tshwane South TVET College
Pretoria West Campus
GPS: S25°44.1' E28°08.4'
150 Industrial street

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**PRETORIA WEST
TRAINING PROGRAM: *ELECTRICIAN***

M1	M2	M3	M4	M5
PRINCIPLES OF ELECTRICITY (12 Weeks)	INDUCTION SAFETY (1 Week)	ELECTRONICS (6 Weeks)	CABLES & CONDUIT (6 Weeks)	ELECTRICAL SYSTEMS & STARTERS (12 Weeks)
	ELEMENTARY WELDING & RIGGING (2 Weeks)			
	ELEMENTARY FITTING (9 Weeks)	POWER & CONTROL (6 Weeks)	PLC [Programming logic control] (6 Weeks)	

**PRETORIA WEST
TRAINING PROGRAM: *MILLWRIGHT***

M1	M2	M3	M4	M5
PRINCIPLES OF ELECTRICITY (12 Weeks)	INDUCTION SAFETY (1 Week)	MECHANICAL APPLIANCES (8 Weeks)	ELECTRONICS (6 Weeks)	PLC [Programming logic control] (6 Weeks)
	ELEMENTARY WELDING & RIGGING (2 Weeks)			
	ELEMENTARY FITTING (9Weeks)	HYDRAULICS AND PNEUMATICS (4 Weeks)	POWER & CONTROL (6 Weeks)	PANELS FAULT- FINDING (6 Weeks)

PRETORIA WEST
TRAINING PROGRAM: *INSTRUMENT MECHANICIAN*

M1	M2	M3	M4	M5
INSTRUMENT MODULE 1 Alarm Circuits (4 Weeks)	INSTRUMENT MODULE 4 Telemetry (4 Weeks)	INDUCTION SAFETY ELEMENTARY WELDING & RIGGING (3 Weeks)	PRINCIPLES OF ELECTRICITY (12 Weeks)	BASIC ELECTRONICS (6 Weeks)
INSTRUMENT MODULE 2 Temperature (4 Weeks)	INSTRUMENT MODULE 5 Auto Control (4 Weeks)	ELEMENTARY FITTING (9 Weeks)		PLC [Programming logic control] (6 Weeks)
INSTRUMENT MODULE 3 Pressure Levels & Flow (4 Weeks)	INSTRUMENT MODULE 6 Process Control (4 Weeks)			

**PRETORIA WEST
TRAINING PROGRAM: *FITTER & TURNER***

M1	M2	M3	M4	M5
INDUCTION SAFETY ELEMENTARY WELDING & RIGGING (3 Weeks)	BASIC FITTING 1 (4 Weeks)	BASIC TURNING 2 (4 Weeks)	MECHANICAL APPLIANCES (8 Weeks)	ADVANCED FITTING 4 (4 Weeks)
ELEMENTARY FITTING (9 Weeks)	BASIC FITTING 2 (4 Weeks)	ADVANCED FITTING 3 (4 Weeks)		MILLING (4 Weeks)
	BASIC TURNING 1 (4 Weeks)	ADVANCED TURNING 3 (4 Weeks)	PNEUMATICS & HYDRAULICS (4 Weeks)	ADVANCED TURNING 4 (4Weeks)

**PRETORIA WEST
TRAINING PROGRAM: *BOILERMAKER***

M1	M2	M3	M4	M5
INDUCTION SAFETY ELEMENTARY WELDING & RIGGING (3 Weeks)	BASIC PLATING (4 Weeks)	ADVANCE WELDING (4 Weeks)	ADVANCED PLATING (4 Weeks)	ADVANCE STRUCTURAL (4 Weeks)
ELEMENTARY FITTING (9 Weeks)	BASIC PLATING (4 Weeks)	ADVANCE WELDING (4 Weeks)	ADVANCED PLATING (4 Weeks)	PROFILES & PLASMA CUTTING (4 Weeks)
	BASIC PLATING (4 Weeks)	ADVANCED PLATING (4 Weeks)	ADVANCED PLATING (4 Weeks)	PROJECTS PLATING (4 Weeks)

**PRETORIA WEST
TRAINING PROGRAM: FITTER**

M1	M2	M3	M4	M5
INDUCTION SAFETY ELEMENTARY WELDING & RIGGING (3 Weeks)	BASIC FITTING 1 (4 Weeks)	ADVANCE FITTING 1 (4 Weeks)	MECHANICAL APPLIANCES (8 Weeks)	ADVANCE FITTING 4 (4 Weeks)
ELEMENTARY FITTING (9 Weeks)	BASIC FITTING 2 (4 Weeks)	ADVANCE FITTING 2 (4 Weeks)		MILLING (4 Weeks)
	BASIC FITTING 3 (4 Weeks)	ADVANCED FITTING 3 (4 Weeks)	PNEUMATICS & HYDRAULICS (4 Weeks)	ADVANCE FITTING 5 (4 Weeks)