



Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa

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COURSE BROCHURE

Operate Mechanical Electrical Hydraulic Pneumatic Tools

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 254060 · NQF Level 2 · 4 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the practical skills and theoretical knowledge to safely and effectively operate mechanical, electrical, hydraulic, and pneumatic tools and equipment in a workplace environment. Emphasis is placed on adherence to safety regulations, equipment maintenance, and troubleshooting common operational issues.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	254060
Accreditation	SAQA Accredited · NQF Level 2 · 4 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and explain the operating principles of mechanical, electrical, hydraulic, and pneumatic tools and equipment.
- Apply relevant safety procedures and regulations when operating tools and equipment to prevent accidents and injuries.
- Demonstrate the correct setup, operation, and shutdown procedures for each type of tool and equipment.
- Perform routine maintenance and basic troubleshooting on mechanical, electrical, hydraulic, and pneumatic systems.
- Interpret technical manuals, diagrams, and specifications to guide tool operation and maintenance.
- Evaluate the condition of tools and equipment and recommend appropriate corrective actions or replacement.

WHO SHOULD ATTEND

- This course is designed for technicians, artisans, and operators who work with or supervise the use of industrial tools and equipment in sectors such as manufacturing, construction, and maintenance.

COURSE OUTLINE

Day 1: Introduction to Mechanical, Electrical, Hydraulic & Pneumatic Tools

- Overview of tool categories and their applications.
- Safety regulations, lock-out/tag-out, and hazard identification.
- Mechanical tools: wrenches, spanners, screwdrivers, hammers, and torque wrenches.
- Electrical tools: drills, grinders, multimeters, and insulation testers.
- Hydraulic tools: jacks, presses, and hydraulic torque wrenches.
- Pneumatic tools: impact wrenches, air ratchets, and air hammers.
- Inspection checklists and maintenance schedules.
- Practical demonstration and supervised practice.

ASSESSMENT & CERTIFICATION

Delegates are assessed through exercises and a final test. A mark of **50% or above** earns an **AATICD Certificate of Completion**, issued digitally with a unique verification code. This course carries **4 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 12,800.00	R 12,800.00
1	In-House	R 16,600.00	R 16,600.00
1	On-Campus (Pretoria)	R 19,200.00	R 19,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	03 Aug 2026	On-Campus	Johannesburg, South Africa
04 Aug 2026	04 Aug 2026	On-Campus	Mauritius
05 Aug 2026	05 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
07 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
07 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	10 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	10 Aug 2026	On-Campus	Mauritius

Contact us if no suitable date is listed – on-demand sessions can be arranged for groups.

HOW TO GET A QUOTE OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard 254060) and click **Get A Quote / Apply**. Select your training method and number of delegates – your quotation is generated immediately and emailed to you with the course brochure attached.
2. **Apply by email:** send the course title, your preferred training method (Online, In-House or On-Campus Pretoria), the number of delegates and your preferred dates to apply@aaticd.co.za – our team will reply with a formal quotation.
3. **Apply by phone or WhatsApp:** call **+27 12 004 8389** or WhatsApp **+27 65 077 6310** and we will prepare your quotation and reserve your seats.
4. **Confirm your booking:** accept the quotation and settle the invoice. As soon as payment is confirmed your delegates are enrolled and receive their AATICD LMS login details by email, along with joining instructions for their chosen training method.

Group discounts apply automatically – the more delegates you enrol, the lower the price per delegate. No payment is required to request a quotation.

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