



Accredited Africa Training Institute for Capacity Development

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

Tel: +27 12 004 8389 · Mobile: +27 65 077 6310

Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Tools Identification for Mechanics, Brake systems and Transport Regulations

Custom Courses / Engineering & Technical Maintenance

Unit Standard AATICD-0271 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips mechanics and transport personnel with the skills to correctly identify, select, and utilise tools for brake system maintenance and repair, while ensuring compliance with South African transport regulations. Participants will learn to apply safety protocols and regulatory standards in workshop and roadside environments.

Category	Custom Courses
Subfield	Engineering & Technical Maintenance
Unit Standard	AATICD-0271
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and select appropriate hand and power tools for brake system inspection and repair.
- Demonstrate correct usage and maintenance of brake-specific tools, including callipers, micrometers, and brake lathes.
- Apply South African transport regulations (e.g., NRTA, SANS codes) to brake system compliance checks.
- Analyze common brake system faults and determine tool requirements for diagnosis and correction.
- Implement safety procedures when using tools in brake system work, including PPE and lockout/tagout.
- Evaluate tool condition and calibrate measuring instruments to ensure accuracy and reliability.

WHO SHOULD ATTEND

- This course is designed for automotive mechanics, fleet maintenance technicians, and transport inspectors who require practical knowledge of brake system tools and relevant South African transport legislation.

COURSE OUTLINE

Day 1: Introduction to Tools and Brake System Fundamentals

- Classification of hand tools: wrenches, sockets, screwdrivers, pliers
- Power tools: impact wrenches, drills, grinders
- Tool maintenance and storage
- Overview of brake system components: master cylinder, brake lines, calipers, pads, rotors
- Brake fluid types and handling precautions
- Safety standards for workshop environments

Day 2: Advanced Brake Systems and Diagnostic Tools

- Disc brake system: components, operation, and common issues
- Drum brake system: components, adjustment, and wear indicators
- Diagnostic tools: micrometer, caliper gauge, brake spoon, pressure bleeder
- Wear pattern analysis: glazing, scoring, uneven wear
- Transport regulations: SANS 10047, brake performance standards
- Documentation requirements for brake inspections

Day 3: Practical Application and Regulatory Compliance

- Step-by-step brake inspection procedure
- Measuring rotor thickness and drum diameter
- Checking brake lines for leaks and damage
- Completing inspection forms and checklists
- Role of regulations in fleet maintenance
- Case studies: non-compliance consequences

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 18,800.00	R 18,800.00
1	In-House	R 24,500.00	R 24,500.00
1	On-Campus (Pretoria)	R 28,100.00	R 28,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	06 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
10 Aug 2026	12 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE

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 AATICD-0271) 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.

Accredited Africa Training Institute for Capacity Development

Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za