



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

Internal Combustion Engine Exhaust System Repair Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110142 · NQF Level 2 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to diagnose, repair, and maintain internal combustion engine exhaust systems. It covers exhaust system components, emission control technologies, and safety procedures, ensuring compliance with industry standards.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110142
Accreditation	SAQA Accredited · NQF Level 2 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the components and functions of internal combustion engine exhaust systems.
- Diagnose common exhaust system faults using appropriate tools and techniques.
- Apply safe work practices and environmental regulations during exhaust system repair.
- Demonstrate the correct procedures for removing, repairing, and reinstalling exhaust system components.
- Evaluate the performance of repaired exhaust systems and verify compliance with emission standards.

WHO SHOULD ATTEND

- This training is designed for automotive technicians, mechanics, and workshop personnel involved in the repair and maintenance of internal combustion engine vehicles.

COURSE OUTLINE

Day 1: Exhaust System Fundamentals and Repair Procedures

- Overview of exhaust system components: manifold, catalytic converter, muffler, pipes, hangers.
- Functions: emission control, noise reduction, gas flow management.
- Common faults: leaks, corrosion, blockages, hanger failure.
- Diagnostic techniques: visual inspection, listening for leaks, backpressure testing.
- Tools and equipment: jacks, stands, wrenches, cutters, welders, gaskets.
- Safety procedures: hot surfaces, toxic fumes, lifting points.
- Repair procedures: cutting, welding, clamping, replacing sections.
- Post-repair checks: leak testing, hanger alignment, system operation verification.

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 **2 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
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
11 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa

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 110142) 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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