



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

Catalytic Converter Decommissioning For Cyclic Maintenance Procedures Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110422 · NQF Level 2 · 8 Credits · 5 Days

COURSE OVERVIEW

This course equips maintenance personnel with the knowledge and skills to safely decommission catalytic converters during cyclic maintenance procedures. It covers regulatory requirements, environmental impact, and decommissioning techniques to ensure compliance with South African standards.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110422
Accreditation	SAQA Accredited · NQF Level 2 · 8 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply legislative and environmental regulations governing catalytic converter decommissioning.
- Demonstrate safe decommissioning procedures for catalytic converters within cyclic maintenance schedules.
- Analyze the environmental impact of catalytic converter disposal and implement mitigation measures.
- Evaluate the condition of catalytic converters to determine decommissioning readiness.
- Implement documentation and reporting procedures for decommissioning activities.
- Design a cyclic maintenance plan that incorporates catalytic converter decommissioning steps.

WHO SHOULD ATTEND

- This course is designed for maintenance technicians, engineers, and supervisors involved in cyclic maintenance of industrial equipment, particularly in sectors such as mining, manufacturing, and energy.

COURSE OUTLINE

Day 1: Introduction to Catalytic Converters and Decommissioning

- Overview of catalytic converter types and operation.
- Role of catalytic converters in emission control.
- Regulatory framework: SA legislation and SAQA standards.
- Introduction to cyclic maintenance procedures.
- Safety protocols: hazardous materials, heat, and mechanical risks.
- Personal protective equipment (PPE) selection and use.
- Environmental impact and waste management principles.
- Documentation and record-keeping basics.

Day 2: Pre-Decommissioning Assessment and Preparation

- Inspection techniques: visual, thermal, and diagnostic tools.
- Identifying catalyst poisoning and physical damage.
- Tool selection: cutting, removal, and handling equipment.
- Work area setup: ventilation, containment, and fire safety.
- Decommissioning procedure planning.
- Material handling and storage for removed converters.
- Risk assessment and mitigation strategies.
- Permits and authorization requirements.

Day 3: Decommissioning Techniques and Procedures

- Step-by-step removal procedures for various vehicle types.
- Cutting techniques: saws, torches, and hydraulic tools.
- Separation of substrate from shell.
- Handling hazardous residues and catalysts.
- Temporary replacement and bypass options.
- Integration with cyclic maintenance schedules.
- Quality checks during and after decommissioning.
- Troubleshooting common issues.

Day 4: Post-Decommissioning Procedures and Compliance

- Post-removal system inspection: exhaust, sensors, and ECU.
- Emission testing and verification.
- Environmental compliance: waste classification and disposal.
- Recycling options for metals and ceramic substrates.
- Documentation: logs, certificates, and maintenance records.
- Reporting to relevant authorities.
- Auditing and continuous improvement.
- Case studies on compliance failures.

Day 5: Practical Integration and Assessment

- Full decommissioning simulation on training vehicle.
- Supervised practice of removal and handling.
- Completing inspection and compliance checklists.
- Mock audit and feedback session.
- Review of key learning points.

- Written and practical assessment.
- Certification requirements and next steps.
- Course evaluation and Q&A.;

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 **8 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 23,000.00	R 23,000.00
1	In-House	R 29,900.00	R 29,900.00
1	On-Campus (Pretoria)	R 34,500.00	R 34,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
03 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Mauritius
03 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
03 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	14 Aug 2026	On-Campus	Mauritius
10 Aug 2026	14 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 110422) 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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