



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

Raw Materials Chemicals Lubricants Machine Maintenance Monitoring Training

Manufacturing, Engineering and Technology / Manufacturing and Assembly

Unit Standard 116325 · NQF Level 4 · 3 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to monitor and maintain machinery using raw materials, chemicals, and lubricants effectively. It focuses on understanding the properties and safe handling of these substances to ensure optimal machine performance and prevent breakdowns. Participants will learn to apply monitoring techniques and interpret data to enhance equipment reliability.

Category	Manufacturing, Engineering and Technology
Subfield	Manufacturing and Assembly
Unit Standard	116325
Accreditation	SAQA Accredited · NQF Level 4 · 3 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply knowledge of raw materials, chemicals, and lubricants to select appropriate substances for machine maintenance.
- Demonstrate safe handling and storage procedures for chemicals and lubricants in compliance with health and safety regulations.
- Analyze machine performance data to identify potential issues and schedule preventive maintenance.
- Evaluate the condition of machine components using monitoring techniques such as vibration analysis and oil analysis.
- Implement corrective actions based on monitoring results to extend equipment life and reduce downtime.

WHO SHOULD ATTEND

- This course is designed for machine operators, maintenance technicians, and production supervisors who are responsible for monitoring and maintaining industrial machinery in manufacturing or processing environments.

COURSE OUTLINE

Day 1: Introduction to Raw Materials, Chemicals, Lubricants, and Machine Maintenance Monitoring

- Overview of raw materials, chemicals, and lubricants in industry.
- Types and properties of lubricants (oils, greases, synthetics).
- Common industrial chemicals and their safe handling.
- Fundamentals of machine maintenance monitoring (vibration analysis, thermography, oil analysis).
- Basic inspection techniques: visual checks, temperature, noise, and vibration.
- Introduction to condition-based maintenance vs. preventive maintenance.
- Safety procedures for handling chemicals and lubricants.
- Documentation and reporting of monitoring results.

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 **3 NQF credits** at **NQF Level 4**.

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
07 Aug 2026	07 Aug 2026	On-Campus	Mauritius
10 Aug 2026	10 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	11 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	12 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	13 Aug 2026	On-Campus	Durban, South Africa
13 Aug 2026	13 Aug 2026	On-Campus	Mauritius
14 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	17 Aug 2026	On-Campus	Pretoria, 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 116325) 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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