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

Mechanical Integrity Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0407 · NQF Level 5 · 2 Credits · 1 Day

COURSE OVERVIEW

This course equips learners with the knowledge and skills to effectively manage mechanical integrity within industrial environments. It focuses on developing strategies to ensure the reliability, safety, and longevity of mechanical assets, thereby minimising downtime and operational risks.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0407
Accreditation	SAQA Accredited · NQF Level 5 · 2 Credits
Duration	1 day
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply the principles of mechanical integrity management to industrial assets.
- Analyze failure modes and effects to prioritise maintenance and inspection activities.
- Evaluate risk-based inspection techniques to optimise resource allocation.
- Design a mechanical integrity management programme aligned with industry standards.
- Implement corrosion control and materials selection strategies.
- Demonstrate the ability to integrate mechanical integrity with overall plant safety and reliability.

WHO SHOULD ATTEND

- This course is designed for maintenance managers, reliability engineers, mechanical engineers, and technical supervisors who are responsible for the integrity and performance of mechanical systems.

COURSE OUTLINE

Day 1: **Fundamentals of Mechanical Integrity Management**

- Introduction to mechanical integrity and its role in process safety
- Regulatory frameworks and standards (e.g., OHSA, SANS, API
- Equipment types and failure modes
- Risk-based inspection (RBI) and fitness-for-service (FFS) concepts
- Inspection, testing, and preventive maintenance strategies
- Documentation, record keeping, and management of change
- Overview of mechanical integrity program implementation
- Case studies and lessons learned

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 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 9,900.00	**R 9,900.00**
1	In-House	R 13,300.00	**R 13,300.00**
1	On-Campus (Pretoria)	R 14,800.00	**R 14,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	01 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
01 Dec 2026	01 Dec 2026	On-Campus	Lagos, Nigeria
02 Dec 2026	02 Dec 2026	On-Campus	Durban, South Africa
03 Dec 2026	03 Dec 2026	On-Campus	Cape Town, South Africa
04 Dec 2026	04 Dec 2026	On-Campus	Shenzhen, China
07 Dec 2026	07 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
07 Dec 2026	07 Dec 2026	On-Campus	Maseru, Lesotho
08 Dec 2026	08 Dec 2026	On-Campus	Accra, Ghana

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

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0407) and click **Get A Quotation**. 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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