



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

Maintenance Management

Custom Courses / Engineering & Technical Maintenance

Unit Standard AATICD-0212 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the principles and practices of effective maintenance management in an industrial or corporate environment. It covers maintenance planning, scheduling, resource allocation, and performance measurement to ensure equipment reliability and operational efficiency.

Category	Custom Courses
Subfield	Engineering & Technical Maintenance
Unit Standard	AATICD-0212
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply maintenance management principles to develop a maintenance plan for a given operational context.
- Analyze maintenance data to identify trends and recommend corrective actions.
- Evaluate the effectiveness of a maintenance program using key performance indicators.
- Design a preventive maintenance schedule that optimizes resource utilization and minimizes downtime.
- Implement a computerized maintenance management system (CMMS) to track work orders and inventory.
- Demonstrate leadership in coordinating maintenance teams and ensuring compliance with safety standards.

WHO SHOULD ATTEND

- This course is designed for maintenance supervisors, team leaders, and managers responsible for overseeing maintenance operations in manufacturing, facilities, or service industries.

COURSE OUTLINE

Day 1: Foundations of Maintenance Management

- Introduction to maintenance management: definitions and scope
- Types of maintenance: reactive, preventive, predictive, proactive
- Maintenance objectives: reliability, availability, safety, cost
- Overview of maintenance planning and scheduling
- Key performance indicators (KPIs) in maintenance
- Maintenance organisation structures
- Legal and regulatory requirements for maintenance (e.g., OHSA)

Day 2: Maintenance Planning and Scheduling

- Work order management: creation, execution, closure
- Prioritisation: criticality analysis, urgency, resource availability
- Preventive maintenance program design: frequency, tasks, checklists
- Scheduling techniques: Gantt charts, CPM, PERT
- Resource allocation: labour, materials, tools
- Shutdown planning and turnaround management

Day 3: Condition-Based Maintenance and Reliability

- Condition monitoring: vibration analysis, thermography, oil analysis, ultrasonics
- Reliability engineering basics: failure modes, weibull analysis
- Mean Time Between Failures (MTBF) and Mean Time To Repair (MTTR)
- Root Cause Analysis (RCA) methods: 5 Whys, fishbone diagram
- Failure Mode and Effects Analysis (FMEA)
- Reliability Centered Maintenance (RCM) principles

Day 4: Maintenance Systems and Data Management

- CMMS functionalities: asset register, work orders, history tracking
- Data collection and analysis: downtime tracking, cost analysis
- Key reports: backlog, compliance, KPI dashboards
- Spare parts management: criticality, reorder points, stock optimisation
- Maintenance budgeting and cost control
- Integration with Enterprise Resource Planning (ERP) systems

Day 5: Advanced Maintenance Strategies and Continuous Improvement

- Total Productive Maintenance (TPM): autonomous maintenance, planned maintenance
- Lean maintenance: 5S, kaizen, value stream mapping
- Maintenance maturity models: from reactive to world-class
- Benchmarking and best practices
- Change management for maintenance transformation
- Creating a maintenance improvement roadmap

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	21 Aug 2026	On-Campus	Shenzhen, China
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK

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-0212) 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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