



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

Advanced Maintenance Management

Physical Planning and Construction / Physical Planning, Design and Management

Unit Standard 262964 · NQF Level 4 · 4 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the foundational principles of housing components essential for effective property maintenance. It covers the structural, electrical, plumbing, and finishing elements of residential and commercial buildings, enabling learners to identify, assess, and maintain these components in compliance with South African standards. By understanding these principles, learners will contribute to prolonging the lifespan of properties and ensuring safety and functionality.

Category	Physical Planning and Construction
Subfield	Physical Planning, Design and Management
Unit Standard	262964
Accreditation	SAQA Accredited · NQF Level 4 · 4 Credits
Duration	5 days
Training Method	On-Campus
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and describe the key structural components of housing, including foundations, walls, roofs, and floors.
- Explain the principles of electrical and plumbing systems in residential and commercial buildings.
- Apply maintenance procedures for building finishes such as painting, tiling, and waterproofing.
- Analyze common defects in housing components and recommend corrective actions.
- Demonstrate an understanding of relevant South African building regulations and standards.
- Evaluate the importance of regular inspections and preventive maintenance in prolonging property life.

WHO SHOULD ATTEND

- This course is designed for property maintenance personnel, building inspectors, housing project coordinators, and anyone responsible for the upkeep of residential or commercial properties.
- It is also suitable for aspiring property managers seeking foundational knowledge in housing components.

COURSE OUTLINE

Day 1: Foundations of Maintenance Management

- Introduction to maintenance management and its business impact.
- Types of maintenance strategies: reactive, preventive, predictive, proactive.
- Key performance indicators (e.g., MTBF, MTTR, OEE).
- Overview of Total Productive Maintenance (TPM) pillars.
- Maintenance policy development and alignment with organisational goals.
- Legal and regulatory requirements for maintenance in South Africa.

Day 2: Maintenance Planning and Scheduling

- The maintenance planning cycle: identification, prioritisation, planning, scheduling, execution.
- Work order systems and documentation.
- Criticality analysis and risk-based prioritisation.
- Scheduling techniques: Gantt charts, critical path method (CPM).
- Resource allocation: labour, materials, tools, and contractors.
- Backlog management and performance metrics.

Day 3: Reliability-Centred Maintenance (RCM) and Failure Analysis

- Principles and steps of Reliability-Centred Maintenance (RCM).
- Failure Mode and Effects Analysis (FMEA) process.
- Root Cause Analysis (RCA) tools: 5 Whys, fishbone diagram.
- Condition-based maintenance (CBM) technologies: vibration analysis, thermography, oil analysis.
- Data collection and interpretation for predictive maintenance.
- Integrating RCM into existing maintenance programmes.

Day 4: Maintenance Cost Management and Optimisation

- Maintenance cost categories: labour, materials, overheads, downtime.
- Budgeting methods: zero-based, incremental, activity-based.
- Life cycle costing (LCC) for asset acquisition and replacement.
- Cost-benefit analysis of maintenance strategies.
- Spare parts management and inventory optimisation.
- Continuous improvement: cost reduction techniques and benchmarking.

Day 5: Maintenance Information Systems and Continuous Improvement

- Features and benefits of CMMS and Enterprise Asset Management (EAM) systems.
- Data collection, analysis, and reporting for decision-making.
- Key performance dashboards and visual management.
- Lean maintenance principles: waste elimination, standardisation.
- Kaizen events and continuous improvement cycles.
- Developing and presenting a maintenance improvement action plan.

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

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
22 Jun 2026	22 Jun 2026	On-Campus	Nairobi, Kenya
23 Jun 2026	23 Jun 2026	On-Campus	Mbabane, Eswatini
24 Jun 2026	24 Jun 2026	On-Campus	Mombasa, Kenya
25 Jun 2026	25 Jun 2026	In-House	–
26 Jun 2026	26 Jun 2026	On-Campus	Maseru, Lesotho
29 Jun 2026	29 Jun 2026	On-Campus	Mbabane, Eswatini
30 Jun 2026	30 Jun 2026	On-Campus	Mombasa, Kenya
01 Jul 2026	01 Jul 2026	On-Campus	Luanda, Angola

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 262964) 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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