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

Valve Maintenance

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0436 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips maintenance personnel with the skills to inspect, service, and repair industrial valves safely and effectively. It covers valve types, failure modes, and maintenance procedures to ensure operational reliability and compliance with safety standards.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0436
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply safe work practices and use appropriate personal protective equipment when maintaining valves.
- Analyze valve types, components, and operating principles to determine appropriate maintenance strategies.
- Evaluate valve condition through inspection and testing to identify faults and wear.
- Implement maintenance procedures for disassembly, repair, and reassembly of common valve types.
- Demonstrate proper use of tools and equipment for valve maintenance, including torque wrenches and alignment tools.
- Design a preventive maintenance schedule for valves based on operational demands and manufacturer recommendations.

WHO SHOULD ATTEND

- This course is designed for maintenance technicians, millwrights, and plant operators who are responsible for the upkeep of industrial valves in various sectors.

COURSE OUTLINE

Day 1: Valve Fundamentals and Maintenance Principles

- Introduction to valve classification and selection
- Valve components: body, bonnet, trim, packing, and actuators
- Common failure modes and causes
- Preventative vs. corrective maintenance strategies
- Safety precautions and lockout/tagout procedures
- Tools and equipment used in valve maintenance
- Inspection techniques: visual, dimensional, and functional
- Documentation and reporting requirements

Day 2: Advanced Maintenance Techniques and Practical Application

- Step-by-step disassembly and reassembly procedures
- Inspection of seats, discs, stems, and seals
- Repair techniques: lapping, machining, and replacement
- Packing and gasket selection and installation
- Leak testing and pressure testing methods
- Actuator maintenance and calibration
- Troubleshooting common valve issues
- Best practices for valve maintenance planning and execution

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 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	**R 11,900.00**
1	In-House	R 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Shenzhen, China
01 Dec 2026	02 Dec 2026	On-Campus	Lagos, Nigeria
02 Dec 2026	03 Dec 2026	On-Campus	Durban, South Africa
03 Dec 2026	04 Dec 2026	On-Campus	Dubai, UAE
07 Dec 2026	08 Dec 2026	On-Campus	Maseru, Lesotho
07 Dec 2026	08 Dec 2026	On-Campus	Kigali, Rwanda
07 Dec 2026	08 Dec 2026	On-Campus	Accra, Ghana
07 Dec 2026	08 Dec 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 QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0436) 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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