



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

API 570 Piping Inspection

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0418 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips piping inspectors with the knowledge and skills to inspect in-service piping systems in accordance with API 570 standards. It covers inspection, repair, alteration, and rerating procedures, ensuring compliance with industry regulations and safety requirements.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0418
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply API 570 code requirements to conduct thorough inspections of in-service piping systems.
- Analyze inspection findings to determine the remaining life and integrity of piping components.
- Evaluate repair and alteration procedures to ensure compliance with API 570 standards.
- Implement inspection plans and schedules based on risk-based inspection principles.
- Demonstrate proficiency in documenting inspection results and maintaining records in accordance with industry best practices.

WHO SHOULD ATTEND

- This course is intended for piping inspectors, maintenance engineers, quality assurance personnel, and other professionals involved in the inspection and integrity management of piping systems in the petrochemical, oil, and gas industries.

COURSE OUTLINE

Day 1: Introduction to API 570 and Piping Inspection Fundamentals

- Overview of API 570 and its relationship to other inspection codes
- Piping components: pipes, fittings, flanges, valves, and supports
- Materials of construction and their properties
- Degradation mechanisms: corrosion, erosion, cracking, and mechanical damage
- Introduction to inspection planning and documentation
- Safety considerations for inspection activities

Day 2: Inspection Techniques, Procedures, and Evaluation

- Detailed review of NDT methods: UT, RT, MT, PT, and their limitations
- Visual inspection and surface preparation
- Corrosion monitoring and thickness measurement techniques
- Evaluation of inspection findings against API 570 criteria
- Inspection data management and record keeping
- Repair techniques and temporary repairs
- Case studies of typical piping failures

Day 3: Advanced Applications, Codes, and Practical Integration

- Risk-based inspection (RBI) methodology
- API 570 requirements for inspection intervals and remaining life calculations
- Rerating procedures and pressure testing
- Documentation, reports, and record keeping
- Management of change and temporary repairs
- Review of typical inspection programmes
- Preparation for the API 570 certification exam (if applicable)

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 13,900.00	R 13,900.00
1	In-House	R 18,100.00	R 18,100.00
1	On-Campus (Pretoria)	R 20,800.00	R 20,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	02 Oct 2026	On-Campus	Maseru, Lesotho
30 Sep 2026	02 Oct 2026	On-Campus	London, UK
05 Oct 2026	07 Oct 2026	On-Campus	Mbabane, Eswatini
05 Oct 2026	07 Oct 2026	Online	—
06 Oct 2026	08 Oct 2026	On-Campus	Nairobi, Kenya
06 Oct 2026	08 Oct 2026	On-Campus	Lusaka, Zambia
07 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
07 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia

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-0418) 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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