Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
Tel: +27 12 004 8389 · Mobile: +27 65 077 6310
Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Pipeline Integrity Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0425 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage the integrity of pipelines throughout their lifecycle. It covers the principles of integrity management, risk assessment, inspection techniques, and regulatory compliance, enabling learners to develop and implement effective integrity management programs.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0425
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 the principles of pipeline integrity management to ensure safe and reliable operation.
- Analyze pipeline risk factors and prioritize integrity threats using appropriate assessment methods.
- Evaluate inspection and monitoring techniques to detect and assess pipeline defects.
- Design an integrity management plan that complies with relevant standards and regulations.
- Implement integrity management procedures and coordinate response to integrity threats.
- Demonstrate leadership in promoting a culture of safety and integrity within the organization.

WHO SHOULD ATTEND

- This course is designed for engineers, project managers, maintenance personnel, and technical staff involved in the design, operation, or maintenance of pipeline systems, particularly in the oil, gas, and petrochemical industries.

COURSE OUTLINE

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

- Introduction to pipeline integrity management
- Regulatory framework and standards (e.g., ASME B31.8S, API 1160, South African regulations
- Pipeline lifecycle and integrity management planning
- Threats and failure modes: corrosion, cracking, third-party damage, etc.
- Risk assessment fundamentals
- Integrity management system elements
- Data collection and management for integrity assessment
- Overview of integrity assessment methods

Day 2: **Integrity Assessment and Risk-Based Maintenance**

- Risk assessment methodologies: qualitative, quantitative, and semi-quantitative
- In-line inspection (ILI) tools: MFL, UT, etc.
- Hydrostatic testing and direct assessment methods
- Corrosion monitoring techniques and data interpretation
- Fitness-for-service assessment
- Remaining life estimation and repair prioritization
- Risk-based inspection (RBI) planning
- Case studies of integrity assessments

Day 3: **Integrity Management Implementation and Continuous Improvement**

- Developing an integrity management plan (IMP
- Integrating integrity management with operations and maintenance
- Emergency preparedness and response planning
- Management of change (MOC) and its role in integrity management
- Performance indicators and benchmarking
- Continuous improvement: learning from incidents and near-misses
- Audit preparation and compliance
- Future trends in pipeline integrity management

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 18,700.00	**R 18,700.00**
1	On-Campus (Pretoria)	R 20,800.00	**R 20,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	03 Dec 2026	On-Campus	Durban, South Africa
01 Dec 2026	03 Dec 2026	On-Campus	Lagos, Nigeria
02 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
02 Dec 2026	04 Dec 2026	On-Campus	Dubai, UAE
09 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
09 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
09 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
09 Dec 2026	11 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-0425) 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.

Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza, 1122 Burnett St, Hatfield 0028, Pretoria, Gauteng, South Africa
Tel: +27 12 004 8389 · WhatsApp: +27 65 077 6310 · apply@aaticd.co.za · www.aaticd.co.za