



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

Pipeline Pigging And Sphere Launching Receiving Operations Training

Services / Transport, Operations and Logistics

Unit Standard 117776 · NQF Level 3 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to safely and effectively conduct pipeline pigging and sphere launching/receiving operations. It covers operational procedures, safety protocols, and maintenance practices essential for ensuring pipeline integrity and efficiency in the oil and gas industry.

Category	Services
Subfield	Transport, Operations and Logistics
Unit Standard	117776
Accreditation	SAQA Accredited · NQF Level 3 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Explain the purpose and principles of pipeline pigging and sphere launching/receiving operations.
- Demonstrate the correct procedures for launching and receiving pigs and spheres in pipeline systems.
- Apply safety protocols and risk assessment methods to prevent incidents during pigging operations.
- Analyze pigging data to assess pipeline condition and identify maintenance needs.
- Implement troubleshooting techniques for common pigging operational issues.
- Evaluate the effectiveness of pigging operations and recommend improvements.

WHO SHOULD ATTEND

- This course is designed for pipeline operators, maintenance technicians, and field engineers involved in the operation and maintenance of pipeline systems.
- It is also suitable for supervisors and managers overseeing pigging operations.

COURSE OUTLINE

Day 1: Fundamentals of Pipeline Pigging and Safety

- Introduction to pipeline pigging: cleaning, inspection, and separation.
- Types of pigs: foam, solid cast, bi-directional, and intelligent pigs.
- Components of launcher and receiver: closure, barrel, kicker, and equalisation lines.
- Safety procedures: permit to work, lock-out/tag-out, and pressure isolation.
- Pig selection criteria based on pipeline diameter, length, and product.
- Pre-pigging checks: valve alignment, pressure gauges, and venting.
- Basic pigging sequence: loading, launching, tracking, and receiving.

Day 2: Launching, Receiving, and Troubleshooting Operations

- Detailed launching procedure: opening closure, inserting pig, closing and pressurising.
- Detailed receiving procedure: depressurising, opening closure, extracting pig.
- Pig tracking methods: magnetic, acoustic, and smart pig data retrieval.
- Troubleshooting stuck pigs: bypass techniques and emergency response.
- Maintenance of launcher and receiver: seal replacement, valve servicing.
- Reporting and documentation: pig run logs, inspection reports, and SAQA compliance.
- Case studies: real-world pigging incidents and root cause analysis.
- Assessment and competency evaluation for unit standard 117776.

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 **5 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	05 Aug 2026	On-Campus	Pretoria, South Africa
04 Aug 2026	05 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	05 Aug 2026	On-Campus	Johannesburg, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Dubai, UAE
06 Aug 2026	07 Aug 2026	On-Campus	Mauritius
06 Aug 2026	07 Aug 2026	On-Campus	Lagos, Nigeria
10 Aug 2026	11 Aug 2026	On-Campus	Mauritius
10 Aug 2026	11 Aug 2026	On-Campus	Dubai, UAE

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 117776) 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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