



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

Install Pressure Pipes Training

Physical Planning and Construction / Building Construction

Unit Standard 119079 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to install pressure pipes safely and in compliance with relevant standards. It covers pipe selection, jointing techniques, pressure testing, and adherence to safety regulations, ensuring learners can perform installations in various contexts such as water supply, sewage, and industrial systems.

Category	Physical Planning and Construction
Subfield	Building Construction
Unit Standard	119079
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant safety regulations and site-specific safety procedures during pressure pipe installation.
- Select appropriate pipes, fittings, and jointing methods based on system requirements and material specifications.
- Demonstrate correct techniques for cutting, preparing, and jointing pressure pipes using mechanical, solvent cement, or fusion methods.
- Install pressure pipe systems including supports, anchors, and thrust blocks according to design specifications.
- Conduct pressure testing and inspection procedures to verify system integrity and compliance with standards.
- Identify and rectify common installation defects and leaks in pressure pipe systems.

WHO SHOULD ATTEND

- This course is designed for plumbers, pipe fitters, construction workers, and technicians involved in the installation of pressure pipe systems.
- It is also suitable for supervisors and site managers seeking to enhance their understanding of pressure pipe installation standards and safety protocols.

COURSE OUTLINE

Day 1: Fundamentals of Pressure Pipe Installation

- Introduction to pressure pipe systems: types, materials (PVC, HDPE, steel) and applications.
- Safety standards (OHS Act, SANS codes) and risk assessment for pipe installation.
- Reading and interpreting engineering drawings, site plans, and pipe schedules.
- Tools and equipment: pipe cutters, threading machines, welding equipment, and pressure test kits.
- Material handling: storage, transportation, and inspection of pipes and fittings.
- Site preparation: trenching, bedding, and support requirements.
- Pipe jointing methods: mechanical, solvent cement, and fusion welding (overview).
- Quality control: measuring, alignment, and initial checks before installation.

Day 2: Installation Techniques, Testing, and Commissioning

- Step-by-step installation: laying, jointing, and anchoring pressure pipes.
- Practical jointing exercises: solvent welding for PVC, butt fusion for HDPE, and flanged connections.
- Valve and fitting installation: gate valves, pressure relief valves, and expansion joints.
- Pressure testing procedures: hydrostatic testing, test pressures, and duration.
- Leak detection methods: visual inspection, pressure drop monitoring, and electronic leak detection.
- Common defects: misalignment, joint failures, and pipe damage; corrective actions.
- Commissioning: flushing, disinfection, and system startup.
- Documentation: as-built drawings, test reports, and handover checklists.

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 2**.

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
03 Aug 2026	04 Aug 2026	On-Campus	Pretoria, South Africa
03 Aug 2026	04 Aug 2026	On-Campus	Cape Town, South Africa
03 Aug 2026	04 Aug 2026	On-Campus	Johannesburg, South Africa
05 Aug 2026	06 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	06 Aug 2026	On-Campus	Mauritius
05 Aug 2026	06 Aug 2026	On-Campus	Lagos, Nigeria
11 Aug 2026	12 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	12 Aug 2026	On-Campus	Pretoria, South Africa

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 119079) 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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