



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@aatikd.co.za · Website: www.aatikd.co.za

COURSE BROCHURE

LPG Gas Installation

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0154 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely install LPG gas systems in residential and commercial settings. It covers compliance with South African regulations, risk assessment, and proper handling of LPG to ensure safety and reliability.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0154
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	5 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply relevant South African legislation and standards governing LPG gas installations.
- Demonstrate correct procedures for handling, storing, and transporting LPG cylinders.
- Install LPG gas systems including pipework, regulators, and appliances safely.
- Conduct leak testing and pressure testing on installed systems.
- Identify and mitigate risks associated with LPG gas installations.
- Complete installation documentation and perform handover procedures.

WHO SHOULD ATTEND

- This course is designed for technicians, plumbers, and gas installers seeking to gain or renew their competency in LPG gas installation.
- It is also suitable for maintenance personnel and contractors involved in gas system installations.

COURSE OUTLINE

Day 1: Introduction to LPG and Safety Fundamentals

- Properties of LPG (density, flammability, vapor pressure)
- Health and environmental hazards
- Overview of SANS 10087-1 and other relevant standards
- Personal protective equipment (PPE)
- Safe handling and storage of LPG cylinders
- Emergency response: leaks, fires, and first aid

Day 2: LPG System Components and Design Principles

- Cylinder types, valves, and filling procedures
- Regulators: types, operation, and selection
- Piping materials (copper, steel, flexible hoses)
- Pipe sizing calculations and pressure drop
- Appliance connections and ventilation requirements
- Installation design for single and multiple cylinders

Day 3: Installation Procedures and Safety Checks

- Site preparation and mounting of cylinders
- Pipe routing and jointing techniques
- Installation of regulators and appliances
- Leak detection methods (soap test, electronic)
- Pressure testing procedures
- Safety device installation and testing

Day 4: Commissioning, Testing, and Documentation

- Commissioning checklist and procedures
- Appliance testing (flame stability, combustion)
- Inspection of ventilation and flue systems
- Documentation: certificate of compliance, as-built drawings
- Common faults and troubleshooting
- Customer handover and safety briefing

Day 5: Advanced Applications and Practical Integration

- Commercial/industrial system design
- Bulk tank installation and pipework
- Gas detection systems and alarms
- Automatic shut-off and remote monitoring
- Regulatory updates and industry best practices
- Case studies of installations

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 24,200.00	R 24,200.00
1	In-House	R 31,400.00	R 31,400.00
1	On-Campus (Pretoria)	R 36,200.00	R 36,200.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
10 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
17 Aug 2026	21 Aug 2026	On-Campus	Harare, Zimbabwe
17 Aug 2026	21 Aug 2026	On-Campus	Shenzhen, China
24 Aug 2026	28 Aug 2026	On-Campus	Bangkok, Thailand
24 Aug 2026	28 Aug 2026	On-Campus	Victoria Falls, Zimbabwe
31 Aug 2026	04 Sep 2026	On-Campus	Lusaka, Zambia
31 Aug 2026	04 Sep 2026	On-Campus	London, UK

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-0154) 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.

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