



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

Domestic LPG Installation

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0354 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely install domestic LPG systems in accordance with South African regulations and standards. It covers the principles of LPG, installation procedures, safety protocols, and compliance requirements, enabling learners to perform installations that are safe, efficient, and legally compliant.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0354
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 fundamental principles of LPG, including its properties, handling, and storage requirements.
- Analyze South African regulations and standards governing domestic LPG installations to ensure compliance.
- Design a domestic LPG installation layout that meets safety and functional requirements.
- Implement installation procedures for LPG piping, fittings, appliances, and ventilation systems.
- Demonstrate safe installation practices, including leak testing and pressure testing, in accordance with industry standards.
- Evaluate potential hazards and safety risks in LPG installations and apply appropriate mitigation strategies.

WHO SHOULD ATTEND

- This course is designed for individuals seeking to become qualified domestic LPG installers, including plumbers, gas technicians, and handymen.
- It is also suitable for professionals already working in related fields who wish to expand their skills to include LPG installation.

COURSE OUTLINE

Day 1: Introduction to LPG and Safety Fundamentals

- Overview of LPG: composition, characteristics, and uses
- Properties of LPG: flammability, vapor density, and expansion ratio
- Regulatory framework: SANS 10087-1, SANS 10087-3, OHS Act, and local bylaws
- Roles and responsibilities of an LPG installer
- Hazards associated with LPG: leaks, explosions, and asphyxiation
- Safety precautions: personal protective equipment (PPE) and safe handling
- Storage and handling of LPG cylinders and bulk tanks
- Site assessment: location, ventilation, and clearances

Day 2: LPG System Components and Installation Procedures

- LPG system components: cylinders, regulators, piping, hoses, valves, and appliances
- Types of LPG installations: domestic, commercial, and industrial
- Reading and interpreting installation drawings and specifications
- Pipe sizing and pressure drop calculations
- Installation procedures for piping, fittings, and appliances
- Connection of appliances: gas hobs, ovens, geysers, and space heaters
- Pressure testing and leak detection methods
- Commissioning and handover procedures

Day 3: Advanced Installation Practices, Inspection, and Compliance

- Advanced installation scenarios: multi-storey buildings, confined spaces, and retrofits
- Inspection procedures: visual, pressure, and leak testing
- Common defects and corrective actions
- Maintenance requirements for LPG systems
- Troubleshooting common operational issues
- Compliance and certification: documentation and issuing compliance certificates
- Record-keeping and customer communication
- Review of case studies and best practices

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
05 Oct 2026	07 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	07 Oct 2026	On-Campus	Lusaka, Zambia
06 Oct 2026	08 Oct 2026	On-Campus	Kigali, Rwanda
06 Oct 2026	08 Oct 2026	On-Campus	Windhoek, Namibia
06 Oct 2026	08 Oct 2026	On-Campus	Bangkok, Thailand
07 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
07 Oct 2026	09 Oct 2026	Online	—
12 Oct 2026	14 Oct 2026	In-House	—

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-0354) 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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