



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

Commercial LPG Installation

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0355 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the comprehensive knowledge and practical skills required for the safe and compliant installation of commercial LPG systems. It covers regulatory requirements, risk assessment, installation procedures, and safety protocols to ensure that installations meet industry standards and legal obligations. Upon completion, learners will be able to execute installations with confidence, ensuring safety and operational efficiency.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0355
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 legislation, codes of practice, and SANS regulations to commercial LPG installations.
- Analyze site conditions and conduct risk assessments to identify potential hazards and implement appropriate control measures.
- Design a compliant commercial LPG system layout, including pipe sizing, ventilation, and emergency shut-off provisions.
- Implement safe installation procedures for LPG cylinders, regulators, piping, and appliances, ensuring proper pressure testing and commissioning.
- Demonstrate the ability to inspect, test, and document installations, ensuring they meet quality and safety standards.
- Evaluate and troubleshoot common installation issues, applying corrective actions to maintain system integrity and safety.

WHO SHOULD ATTEND

- This course is designed for plumbers, gas fitters, technicians, and aspiring professionals seeking to specialize in commercial LPG installations.
- It is also suitable for individuals already working in the gas industry who wish to enhance their skills and obtain formal recognition.

COURSE OUTLINE

Day 1: Introduction to LPG and Regulatory Framework

- Overview of LPG: composition, properties, and applications.
- Health, safety, and environmental hazards of LPG.
- South African regulatory framework: SANS 10087, SANS 10089, OHS Act, and Pressure Equipment Regulations.
- Roles and responsibilities of LPG installers and registered persons.
- Introduction to risk assessment and safety management.
- Documentation and record-keeping requirements.

Day 2: LPG System Components and Design Principles

- LPG storage vessels: types, construction, and safety features.
- Pressure regulators, valves, and safety devices.
- Piping materials, fittings, and installation methods.
- Pipe sizing and pressure drop calculations.
- Ventilation and flue requirements for LPG appliances.
- Design documentation and schematic diagrams.

Day 3: Installation Procedures and Safety Practices

- Step-by-step installation of LPG systems.
- Safe handling, transport, and storage of LPG cylinders.
- Leak testing methods: soapy water, pressure testing, and electronic detectors.
- Earthing and bonding requirements.
- Emergency procedures: gas leak response and evacuation.
- Personal protective equipment (PPE) and safe work practices.

Day 4: Inspection, Testing, and Commissioning

- Inspection techniques for LPG systems.
- Functional testing of regulators, valves, and safety devices.
- Commissioning procedures for new installations.
- Pressure testing and purging methods.
- Documentation of inspections and test results.
- Common defects and corrective actions.

Day 5: Advanced Applications, Troubleshooting, and Certification

- Troubleshooting techniques and fault-finding.
- Advanced installations: bulk tanks, manifolds, and gas trains.
- Maintenance and servicing schedules.
- Decommissioning and disposal of LPG systems.
- Certification requirements and assessment preparation.
- Professional ethics and continuous improvement.

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 17,700.00	R 17,700.00
1	In-House	R 23,100.00	R 23,100.00
1	On-Campus (Pretoria)	R 26,700.00	R 26,700.00

UPCOMING SESSIONS

Start	End	Method	Venue
05 Oct 2026	09 Oct 2026	On-Campus	Kigali, Rwanda
05 Oct 2026	09 Oct 2026	On-Campus	Bangkok, Thailand
05 Oct 2026	09 Oct 2026	On-Campus	Lusaka, Zambia
05 Oct 2026	09 Oct 2026	Online	—
05 Oct 2026	09 Oct 2026	On-Campus	Windhoek, Namibia
05 Oct 2026	09 Oct 2026	On-Campus	Nairobi, Kenya
05 Oct 2026	09 Oct 2026	On-Campus	Mbabane, Eswatini
12 Oct 2026	16 Oct 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-0355) 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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