



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 Appliance Installation

Custom Courses / Liquefied Petroleum Gas

Unit Standard AATICD-0357 · NQF Level 5 · 10 Credits · 5 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills required to safely install LPG appliances in domestic and light commercial settings. It covers relevant regulations, safety standards, and best practices to ensure compliance and safe operation. Upon completion, participants will be able to perform installations that meet industry requirements and promote safety.

Category	Custom Courses
Subfield	Liquefied Petroleum Gas
Unit Standard	AATICD-0357
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 the relevant regulations and standards governing LPG appliance installations in South Africa.
- Analyze installation requirements for various LPG appliances, including gas hobs, ovens, geysers, and space heaters.
- Design an installation plan that ensures safety, compliance, and efficiency.
- Implement safe installation procedures, including pipework, connections, and appliance placement.
- Demonstrate proper testing and commissioning techniques for LPG systems.
- Evaluate potential hazards and implement risk mitigation strategies during installation.

WHO SHOULD ATTEND

- This course is designed for plumbers, gas fitters, handymen, and technicians who wish to specialize in LPG appliance installation.
- It is also suitable for individuals seeking to enter the gas installation industry or those wanting to formalize their existing skills.

COURSE OUTLINE

Day 1: Introduction to LPG and Safety Fundamentals

- Overview of LPG: composition, properties, and uses
- Legal framework: SANS 10087, SANS 10089, and Occupational Health and Safety Act
- Hazards: flammability, explosion, asphyxiation, and pressure
- Safety equipment: regulators, hoses, and leak detection
- Personal protective equipment (PPE) and safe work practices
- Basic gas theory: pressure, flow, and combustion

Day 2: LPG Systems and Components

- Cylinders vs. bulk tanks: sizing, placement, and connections
- Regulators: types, functions, and selection
- Piping and tubing materials: copper, steel, and flexible hoses
- Valves, fittings, and jointing methods
- Appliance categories: cookers, heaters, water heaters, and more
- Ventilation and flue requirements

Day 3: Installation Planning and Procedures

- Site survey and risk assessment
- Installation planning: routing, supports, and clearances
- Step-by-step installation of piping and fittings
- Appliance mounting and connection
- Pressure testing procedures
- Leak detection methods: soap solution, electronic detectors

Day 4: Commissioning, Testing, and Maintenance

- Commissioning sequence: purge, pressure test, and leak check
- Functional testing of appliances: ignition, flame characteristics
- Adjustment of gas pressure and air-to-fuel ratio
- Troubleshooting: pilot issues, regulator faults, blockages
- Routine maintenance schedules and procedures
- Documentation and handover

Day 5: Advanced Applications and Professional Practice

- Multi-appliance installations and manifold systems
- Commercial kitchens and industrial heating
- Emergency procedures: gas leaks, fires, and first aid
- Customer communication and safety advice
- Record keeping and compliance documentation
- Certification pathways and professional development

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-0357) 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