



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

Fire-Ground Operations for Life Safety and Fire Control

Services / Cleaning, Domestic, Hiring, Property and Rescue Services

Unit Standard 242850 · NQF Level 4 · 12 Credits · 9 Days

COURSE OVERVIEW

This course equips learners with the practical skills and knowledge required to perform fire-ground operations aimed at ensuring life safety, fire control, and property conservation under supervision. Participants will learn to apply fire-fighting techniques, use personal protective equipment correctly, and execute search and rescue procedures in a controlled environment.

Category	Services
Subfield	Cleaning, Domestic, Hiring, Property and Rescue Services
Unit Standard	242850
Accreditation	SAQA Accredited · NQF Level 4 · 12 Credits
Duration	9 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate the correct use of fire-fighting personal protective equipment (PPE) and self-contained breathing apparatus (SCBA).
- Apply techniques for fire suppression, including hose line deployment, nozzle operation, and extinguisher use.
- Perform systematic search and rescue operations to locate and evacuate occupants from fire-affected structures.
- Evaluate fire behavior indicators to predict fire spread and identify hazards for life safety.
- Implement property conservation measures, including salvage and overhaul procedures, to minimize damage.
- Communicate effectively with team members and incident command during fire-ground operations.

WHO SHOULD ATTEND

- This course is designed for firefighters, fire-fighting trainees, and emergency response personnel who need to perform fire-ground operations under supervision in municipal, industrial, or wildland settings.

COURSE OUTLINE

Day 1: Introduction to Fire Dynamics and Life Safety Principles

- Fire triangle and tetrahedron
- Classes of fire and extinguishing agents
- Heat transfer: conduction, convection, radiation
- Phases of fire development
- Life safety priorities: rescue, exposure protection, confinement, extinguishment, overhaul
- Introduction to ICS and command structure

Day 2: Personal Protective Equipment (PPE) and Self-Contained Breathing Apparatus (SCBA)

- Structural firefighting PPE: helmet, coat, pants, boots, gloves, hood
- SCBA components: cylinder, regulator, facepiece, PASS device
- Donning and doffing procedures
- SCBA air management and endurance
- Inspection, cleaning, and storage of PPE/SCBA
- Emergency procedures: SCBA failure, buddy breathing

Day 3: Search and Rescue Operations

- Search patterns: right-hand, left-hand, wall, and team searches
- Primary vs. secondary search
- Victim removal: drags, carries, and lifts
- Use of thermal imaging cameras (TIC)
- RIT deployment and survival techniques
- Communication during search operations

Day 4: Fire Streams and Water Supply

- Hydraulics: flow, pressure, friction loss
- Hose types, diameters, and lays (forward, reverse, split)
- Nozzle types: smooth bore, fog, combination
- Water supply: hydrants, drafting, tanker shuttles
- Fire stream management: straight stream, fog, master streams
- GPM requirements for structure fires

Day 5: Forcible Entry and Ventilation

- Forcible entry tools: halligan, axe, pry bar, sledgehammer
- Door types and entry techniques (through-the-lock, conventional)
- Window and wall breaching
- Ventilation: positive pressure, negative pressure, hydraulic
- Vertical ventilation: roof cuts, skylights, scuttles
- Coordinated ventilation and fire attack

Day 6: Fire Attack and Extinguishment

- Offensive vs. defensive attack
- Interior attack: advancing hoseline, door control, gas cooling
- Exterior attack: master streams, exposure protection
- Portable extinguishers: types, operation, limitations
- Overhaul: hidden fire, thermal imaging, overhaul tools

- Salvage: covers, water removal, property conservation

Day 7: Vehicle and Wildland Fire Suppression

- Vehicle fire hazards: fuel, batteries, airbags, hybrid systems
- Vehicle fire attack: approach, nozzle techniques, exposure protection
- Wildland fire behavior: fuel, topography, weather
- Wildland PPE and hand tools
- Structure protection in the wildland-urban interface
- Safety: LCES (Lookouts, Communications, Escape Routes, Safety Zones)

Day 8: Special Hazards and Emergency Response

- Hazardous materials: placards, labels, SDS, NPG
- Hazmat: isolation, notification, defensive operations
- Confined space rescue: hazards, permits, retrieval systems
- Collapse rescue: shoring, breaching, victim extrication
- Decontamination: technical and emergency decon
- Rope rescue basics: knots, anchoring, lowering

Day 9: Incident Command, Communication, and Post-Incident Analysis

- ICS roles: IC, safety officer, operations, logistics, planning
- Radio communication: protocols, clear text, tactical channels
- Accountability systems: personnel tracking, PAR
- Post-incident analysis: debriefing, reporting, corrective actions
- Integration of all skills in a simulated scenario
- Professional development and continuing education

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 **12 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 33,300.00	R 33,300.00
1	In-House	R 43,300.00	R 43,300.00
1	On-Campus (Pretoria)	R 50,000.00	R 50,000.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	20 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	21 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	21 Aug 2026	On-Campus	Mauritius
12 Aug 2026	24 Aug 2026	On-Campus	Cape Town, South Africa
13 Aug 2026	25 Aug 2026	On-Campus	Dubai, UAE
14 Aug 2026	26 Aug 2026	On-Campus	Pretoria, South Africa
17 Aug 2026	27 Aug 2026	On-Campus	Durban, South Africa
18 Aug 2026	28 Aug 2026	On-Campus	Shenzhen, China

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 242850) 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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