



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

Veld Burn Operations for Fire Management

Agriculture and Nature Conservation / Nature Conservation

Unit Standard 257156 · NQF Level 4 · 7 Credits · 4 Days

COURSE OVERVIEW

This course equips learners with the knowledge and practical skills to safely and effectively conduct veld burn operations for fire management. Participants will learn to plan, execute, and monitor controlled burns in accordance with relevant legislation and environmental best practices. The course emphasizes risk assessment, fire behavior understanding, and post-burn evaluation to minimize hazards and achieve land management objectives.

Category	Agriculture and Nature Conservation
Subfield	Nature Conservation
Unit Standard	257156
Accreditation	SAQA Accredited · NQF Level 4 · 7 Credits
Duration	4 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Plan and prepare for a veld burn operation by assessing weather conditions, fuel loads, and firebreak requirements.
- Demonstrate safe ignition techniques and fire control methods during a prescribed burn.
- Monitor fire behavior and environmental conditions to ensure the burn remains within planned boundaries.
- Evaluate the effectiveness of the burn and implement post-burn monitoring and reporting procedures.
- Apply relevant occupational health and safety legislation and environmental regulations during veld burn operations.

WHO SHOULD ATTEND

- This course is designed for fire management practitioners, conservation officers, farmers, and emergency services personnel who are responsible for planning and implementing controlled veld burns.
- It is also suitable for anyone seeking to enhance their competency in wildfire prevention and prescribed burning.

COURSE OUTLINE

Day 1: Foundations of Veld Fire Management

- Introduction to veld fire ecology: fire as a management tool.
- Legal framework: National Veld and Forest Fire Act, relevant regulations.
- Fire behaviour basics: fuel load, moisture, wind, slope.
- Burn planning: objectives, prescriptions, contingency.
- Risk assessment: environmental, safety, and resource risks.
- Team roles: burn boss, igniters, safety officers, equipment operators.
- Personal protective equipment (PPE) and safety protocols.

Day 2: Burn Preparation and Equipment

- Firebreak construction and maintenance.
- Equipment types and uses: drip torch, flapper, backpack pump, slip-on unit.
- Equipment inspection and pre-operation checks.
- Weather data collection: wind speed, direction, relative humidity, temperature.
- Interpreting fire danger indices (e.g., Lowveld Fire Danger Index).
- Communication systems: radios, hand signals, emergency codes.
- Medical emergency and fire entrapment procedures.

Day 3: Ignition Techniques and Burn Execution

- Ignition patterns: advantages and constraints of each.
- Conducting a pre-burn briefing and safety check.
- Lighting techniques: drip torch operation, rate of travel.
- Monitoring fire behaviour: spotting, crowning, flanking.
- Tactical adjustments: changing wind, fuel moisture.
- Smoke management: timing, public notification, road closures.
- Post-burn patrol and mop-up procedures.

Day 4: Post-Burn Evaluation and Incident Management

- Burn severity assessment: soil, vegetation, scorch height.
- Ecological monitoring: regrowth, invasive species.
- Incident reporting: escape fire, injury, equipment failure.
- Emergency response: suppression tactics for escaped fires.
- Case studies: lessons learned from actual veld burns.
- Documentation: burn plan review, weather log, incident reports.
- Certification 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 **7 NQF credits** at **NQF Level 4**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 20,500.00	R 20,500.00
1	In-House	R 26,600.00	R 26,600.00
1	On-Campus (Pretoria)	R 30,800.00	R 30,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
11 Aug 2026	14 Aug 2026	On-Campus	Durban, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Abu Dhabi, UAE
11 Aug 2026	14 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	14 Aug 2026	On-Campus	Cape Town, South Africa
11 Aug 2026	14 Aug 2026	On-Campus	Mauritius
17 Aug 2026	20 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	20 Aug 2026	On-Campus	Pretoria, South Africa

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 257156) 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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