



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

Energy Conservation and Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0461 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips participants with the knowledge and practical skills to systematically manage energy consumption within their organisations. It focuses on identifying energy-saving opportunities, implementing conservation measures, and fostering a culture of energy efficiency, thereby contributing to cost reduction and environmental sustainability.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0461
Accreditation	SAQA Accredited · NQF Level 5 · 4 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply energy management principles to analyse current energy usage patterns.
- Analyse energy consumption data to identify inefficiencies and opportunities for conservation.
- Evaluate the potential impact of energy-saving measures on operational performance and cost.
- Design a basic energy management plan tailored to an organisational context.
- Implement monitoring and reporting mechanisms to track energy performance over time.
- Demonstrate the ability to communicate energy conservation strategies to stakeholders.

WHO SHOULD ATTEND

- This course is designed for facilities managers, operations supervisors, maintenance personnel, and anyone responsible for energy usage or sustainability initiatives within their organisation.

COURSE OUTLINE

Day 1: Fundamentals of Energy Conservation and Management

- Introduction to energy conservation and management
- Energy sources, conversion, and end-use
- Energy costs and tariff structures
- Energy auditing: types, process, and tools
- Energy performance indicators and benchmarking
- Overview of South African energy legislation and standards (e.g., SANS 50001, NERSA)
- Case studies of successful energy management

Day 2: Advanced Strategies and Implementation

- Energy management systems (EnMS) and ISO 50001
- Energy efficiency opportunities in lighting, HVAC, motors, and compressed air
- Financial analysis and life-cycle costing
- Monitoring and targeting (M&T;) techniques
- Renewable energy technologies (solar PV, solar thermal, wind, biomass)
- Behavioural change and employee engagement
- Integration of energy management with operational and maintenance practices
- Developing an action plan for energy conservation

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 **4 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 11,900.00	R 11,900.00
1	In-House	R 15,400.00	R 15,400.00
1	On-Campus (Pretoria)	R 17,800.00	R 17,800.00

UPCOMING SESSIONS

Start	End	Method	Venue
30 Sep 2026	01 Oct 2026	In-House	—
30 Sep 2026	01 Oct 2026	On-Campus	Shenzhen, China
01 Oct 2026	02 Oct 2026	On-Campus	Blantyre, Malawi
05 Oct 2026	06 Oct 2026	On-Campus	Windhoek, Namibia
06 Oct 2026	07 Oct 2026	On-Campus	Kigali, Rwanda
06 Oct 2026	07 Oct 2026	Online	—
07 Oct 2026	08 Oct 2026	On-Campus	Lusaka, Zambia
07 Oct 2026	08 Oct 2026	On-Campus	Mbabane, Eswatini

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-0461) 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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