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 Management

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0455 · NQF Level 5 · 4 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to manage energy resources effectively within an organisation. It covers energy auditing, efficiency improvement strategies, and the implementation of energy management systems, enabling participants to reduce costs and environmental impact.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0455
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 the principles of energy management to identify opportunities for efficiency improvement.
- Analyze energy consumption data to establish baselines and identify trends.
- Evaluate energy-saving technologies and practices for suitability in a specific context.
- Design an energy management plan aligned with organisational goals and regulatory requirements.
- Implement monitoring and verification procedures to track energy performance.
- Demonstrate the benefits of an energy management system to stakeholders.

WHO SHOULD ATTEND

- This course is designed for facility managers, operations supervisors, energy officers, and anyone responsible for energy usage and sustainability in their organisation.

COURSE OUTLINE

Day 1: **Foundations of Energy Management**

- Introduction to energy management: definitions, benefits, and scope
- South African energy landscape: sources, demand, and challenges
- Energy legislation and standards: SANS 50001, NERSA regulations, and carbon tax
- Energy auditing: types, processes, and tools
- Energy performance indicators and benchmarking
- Energy efficiency opportunities in common systems (lighting, HVAC, motors
- Behavioural change and energy awareness programmes

Day 2: **Advanced Energy Management and Implementation**

- Energy management system (EnMS) framework: ISO 50001 requirements
- Energy policy, planning, and implementation
- Financial appraisal: life cycle costing, payback, IRR, and NPV
- Monitoring and targeting: data collection, analysis, and reporting
- Renewable energy technologies: solar PV, wind, biomass, and hybrid systems
- Energy storage and demand-side management
- Audit preparation and certification process
- Case studies of successful energy management in South African industries

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 16,100.00	**R 16,100.00**
1	On-Campus (Pretoria)	R 17,800.00	**R 17,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	02 Dec 2026	On-Campus	Durban, South Africa
02 Dec 2026	03 Dec 2026	On-Campus	Dubai, UAE
03 Dec 2026	04 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
03 Dec 2026	04 Dec 2026	On-Campus	Cape Town, South Africa
10 Dec 2026	11 Dec 2026	On-Campus	Maseru, Lesotho
10 Dec 2026	11 Dec 2026	On-Campus	Kigali, Rwanda
10 Dec 2026	11 Dec 2026	On-Campus	Accra, Ghana
10 Dec 2026	11 Dec 2026	On-Campus	Cape Town, South Africa

Contact us if no suitable date is listed — on-demand sessions can be arranged for groups.

HOW TO GET A QUOTATION OR APPLY

1. **Get an instant quotation online:** visit www.aaticd.co.za, open the page for this course (Unit Standard AATICD-0455) and click **Get A Quotation**. 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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