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 Economics

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0469 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course provides a comprehensive understanding of energy economics, focusing on the principles of energy demand, supply, pricing, and policy. Participants will learn to analyze energy markets, evaluate the economic viability of energy projects, and assess the impact of regulatory frameworks and environmental factors on energy decisions.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0469
Accreditation	SAQA Accredited · NQF Level 5 · 6 Credits
Duration	3 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS — verifiable online

LEARNING OUTCOMES

- Apply economic principles to analyze energy demand, supply, and pricing mechanisms.
- Analyze the structure and functioning of energy markets, including electricity, oil, and gas.
- Evaluate the economic viability of energy projects using cost-benefit analysis and other financial tools.
- Assess the impact of energy policies and regulations on market outcomes and investment decisions.
- Demonstrate the ability to interpret energy data and trends to inform strategic decision-making.
- Design strategies to address energy challenges, such as energy security, sustainability, and affordability.

WHO SHOULD ATTEND

- This course is designed for professionals working in the energy sector, including energy managers, policy analysts, project developers, and financial analysts, who need to understand the economic drivers of energy systems and markets.

COURSE OUTLINE

Day 1: **Foundations of Energy Economics**

- Introduction to energy economics: definitions and scope
- Energy supply and demand fundamentals
- Energy market structures: competitive, regulated, and hybrid
- Energy pricing mechanisms and tariffs
- Energy and economic growth: the link
- Overview of energy sources: fossil fuels, renewables, nuclear, and alternatives
- Introduction to energy policy and regulation
- Energy security and sustainability concepts

Day 2: **Energy Markets, Pricing, and Investment**

- Energy market analysis: spot and forward markets
- Price volatility and risk management in energy
- Investment appraisal: NPV, IRR, and payback in energy projects
- Cost-benefit analysis of energy projects
- Externalities and carbon pricing
- Energy efficiency economics and demand-side management
- Renewable energy economics: LCOE and grid integration
- Case studies: electricity and oil markets

Day 3: **Energy Policy, Regulation, and Strategic Planning**

- Energy policy instruments: subsidies, taxes, and standards
- Regulation of natural monopolies in energy
- Energy transition economics: decarbonisation and renewables
- Energy access and equity issues
- Energy security and geopolitical considerations
- Integrated resource planning and scenario analysis
- Future trends: digitalisation, decentralisation, and sector coupling
- Group exercise: policy design simulation

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 **6 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 13,900.00	**R 13,900.00**
1	In-House	R 18,700.00	**R 18,700.00**
1	On-Campus (Pretoria)	R 20,800.00	**R 20,800.00**

UPCOMING SESSIONS

Start	End	Method	Venue
01 Dec 2026	03 Dec 2026	On-Campus	Victoria Falls, Zimbabwe
01 Dec 2026	03 Dec 2026	On-Campus	Dubai, UAE
02 Dec 2026	04 Dec 2026	On-Campus	Shenzhen, China
02 Dec 2026	04 Dec 2026	On-Campus	Cape Town, South Africa
08 Dec 2026	10 Dec 2026	On-Campus	Maseru, Lesotho
08 Dec 2026	10 Dec 2026	On-Campus	Kigali, Rwanda
08 Dec 2026	10 Dec 2026	On-Campus	Accra, Ghana
08 Dec 2026	10 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-0469) 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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