Accredited Africa Training Institute for Capacity Development
Unit FO409, Hatfield Plaza · 1122 Burnett St, Hatfield 0028 · Pretoria, Gauteng · South Africa
Tel: +27 12 004 8389 · Mobile: +27 65 077 6310
Email: apply@aaticd.co.za · Website: www.aaticd.co.za

COURSE BROCHURE

Energy Investment and Economics

Custom Courses / Energy, Oil and Gas

Unit Standard AATICD-0523 · NQF Level 5 · 6 Credits · 3 Days

COURSE OVERVIEW

This course equips professionals with the analytical tools and frameworks to evaluate energy investments and understand energy economics. Participants will learn to assess project viability, navigate market dynamics, and make informed decisions in the evolving energy sector.

Category	Custom Courses
Subfield	Energy, Oil and Gas
Unit Standard	AATICD-0523
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 markets and pricing mechanisms.
- Evaluate the financial viability of energy projects using investment appraisal techniques.
- Analyze the impact of regulatory frameworks and policies on energy investments.
- Assess risks and returns in energy portfolios, including renewable and conventional sources.
- Design strategies for optimizing energy investment decisions in a dynamic market.
- Implement frameworks for sustainable energy investment and economic assessment.

WHO SHOULD ATTEND

- This course is designed for energy professionals, project managers, financial analysts, and policymakers involved in energy projects or investments.
- It is also suitable for those seeking to enhance their understanding of energy markets and investment appraisal.

COURSE OUTLINE

Day 1: **Foundations of Energy Economics and Investment**

- Overview of the energy sector: types, sources, and global trends
- Energy demand and supply analysis
- Energy pricing mechanisms and market structures
- Introduction to energy policy and regulatory frameworks
- Fundamentals of project finance and investment appraisal
- Case studies on energy investment decisions

Day 2: **Investment Appraisal and Risk Management in Energy Projects**

- Time value of money and discount rates
- Net present value (NPV), internal rate of return (IRR), and payback period
- Cost-benefit analysis for energy projects
- Risk identification and assessment: market, credit, operational, and regulatory risks
- Sensitivity analysis and Monte Carlo simulation
- Financing structures: debt, equity, and public-private partnerships

Day 3: **Advanced Topics and Strategic Integration**

- Economics of renewable energy technologies (solar, wind, hydro, etc.
- Carbon pricing and emissions trading
- Energy storage and smart grid investments
- Energy efficiency and demand-side management
- Portfolio analysis and diversification in energy investments
- Sustainability and ESG (Environmental, Social, Governance) criteria
- Strategic planning for energy companies and investors

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
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
08 Dec 2026	10 Dec 2026	On-Campus	Abu Dhabi, UAE
08 Dec 2026	10 Dec 2026	On-Campus	Victoria Falls, Zimbabwe

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-0523) 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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