



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

Briquette Production From Fine Material Manufacturing Process Training

Manufacturing, Engineering and Technology / Fabrication and Extraction

Unit Standard 110208 · NQF Level 2 · 5 Credits · 2 Days

COURSE OVERVIEW

This course equips learners with the knowledge and skills to produce briquettes from fine materials, such as coal dust or biomass, using appropriate manufacturing processes. Learners will understand the principles of briquetting, including material preparation, binding, pressing, and quality control, to produce marketable briquettes for industrial or domestic use. The course aligns with the SAQA unit standard 110208 and promotes sustainable resource utilization.

Category	Manufacturing, Engineering and Technology
Subfield	Fabrication and Extraction
Unit Standard	110208
Accreditation	SAQA Accredited · NQF Level 2 · 5 Credits
Duration	2 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Demonstrate understanding of the principles of briquetting and the properties of fine materials suitable for briquette production.
- Prepare fine materials for briquetting, including crushing, drying, and blending with binders.
- Operate briquetting equipment, such as presses and extruders, to produce briquettes of specified size and density.
- Monitor and control the briquetting process to ensure consistent quality and troubleshoot common issues.
- Apply quality control procedures to test briquette properties, including strength, moisture content, and calorific value.
- Evaluate the environmental and economic benefits of briquette production from fine materials.

WHO SHOULD ATTEND

- This course is designed for production supervisors, process operators, and technicians in the mining, energy, or waste management sectors who are involved in or seeking to enter briquette manufacturing.
- It is also suitable for entrepreneurs and small business owners looking to start a briquetting operation.

COURSE OUTLINE

Day 1: Introduction to Briquette Production and Raw Material Preparation

- Overview of briquette production and applications.
- Types of fine materials: biomass, coal fines, charcoal dust, etc.
- Raw material characteristics: particle size, moisture, density.
- Pre-processing: drying, grinding, sieving.
- Binders: types (organic, inorganic), selection criteria.
- Mixing and homogenization techniques.
- Quality control parameters for raw materials.
- Health, safety, and environmental considerations.

Day 2: Briquetting Process, Equipment, and Quality Assurance

- Briquetting machine types: piston press, screw extruder, hydraulic press.
- Process parameters: pressure, temperature, feed rate.
- Die and mould design considerations.
- Cooling and curing of briquettes.
- Quality testing: density, durability, calorific value.
- Packaging and storage.
- Maintenance and cleaning of equipment.
- Troubleshooting: poor binding, cracking, low density.

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 **5 NQF credits** at **NQF Level 2**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 15,400.00	R 15,400.00
1	In-House	R 20,000.00	R 20,000.00
1	On-Campus (Pretoria)	R 23,100.00	R 23,100.00

UPCOMING SESSIONS

Start	End	Method	Venue
04 Aug 2026	05 Aug 2026	On-Campus	Dubai, UAE
04 Aug 2026	05 Aug 2026	On-Campus	Mauritius
04 Aug 2026	05 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	07 Aug 2026	On-Campus	Pretoria, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Cape Town, South Africa
06 Aug 2026	07 Aug 2026	On-Campus	Johannesburg, South Africa
10 Aug 2026	11 Aug 2026	On-Campus	Cape Town, South Africa
10 Aug 2026	11 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 110208) 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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