



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

Costing Plant And Equipment For Purchase Or Hire Training

Services / Cleaning, Domestic, Hiring, Property and Rescue Services

Unit Standard 115866 · NQF Level 5 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips learners with the skills to accurately cost plant and equipment for purchase or hire decisions. It covers cost identification, calculation methods, and financial analysis to support informed asset acquisition choices. Learners will apply costing principles to real-world scenarios in construction, mining, and engineering sectors.

Category	Services
Subfield	Cleaning, Domestic, Hiring, Property and Rescue Services
Unit Standard	115866
Accreditation	SAQA Accredited · NQF Level 5 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Identify and classify all costs associated with purchasing or hiring plant and equipment.
- Apply appropriate costing methods to calculate total cost of ownership or hire.
- Analyze cost data to compare purchase versus hire options.
- Evaluate financial implications of plant and equipment decisions using break-even and cost-benefit analysis.
- Implement cost control measures to optimize asset utilization.
- Demonstrate the ability to prepare a cost report for management decision-making.

WHO SHOULD ATTEND

- Designed for procurement officers, project managers, quantity surveyors, and financial analysts who are responsible for costing and acquiring plant and equipment in industries such as construction, mining, and manufacturing.

COURSE OUTLINE

Day 1: Introduction to Costing Principles and Context

- Overview of unit standard 115866 and assessment criteria.
- Role of costing in construction, mining, and agriculture.
- Cost elements: capital cost, depreciation, interest, insurance, maintenance, fuel.
- Fixed vs. variable costs in plant operation.
- Direct vs. indirect costs.
- Introduction to time value of money.
- South African tax considerations (VAT, wear-and-tear allowances).

Day 2: Depreciation Methods and Asset Lifecycle

- Depreciation as a non-cash cost.
- Straight-line method: formula and examples.
- Reducing balance method: formula and examples.
- Sum-of-the-years'-digits method.
- Factors affecting useful life: utilisation, maintenance, technology.
- Impact of depreciation on hire rates.
- Practical exercise: calculate depreciation for a grader.

Day 3: Operating Costs and Ownership Costs

- Fuel consumption calculation based on load factor.
- Lubricant and filter costs.
- Tyre cost per hour.
- Scheduled maintenance vs. unscheduled repairs.
- Insurance premiums and licencing fees.
- Storage and security costs.
- Escalation factors and CPI adjustments.
- Case study: total cost per hour for a bulldozer.

Day 4: Costing for Hire – Rate Setting and Breakeven

- Hire rate components: ownership, operating, overhead, profit.
- Breakeven analysis: fixed cost / contribution margin.
- Wet hire: includes operator, fuel, maintenance.
- Dry hire: machine only.
- Mobilisation and demobilisation costs.
- Standby time and idle time costs.
- Minimum hire periods and penalty clauses.
- Practical: develop a hire rate for a TLB.

Day 5: Costing for Purchase – Investment Appraisal

- Net Present Value (NPV) method.
- Internal Rate of Return (IRR).
- Payback period and discounted payback.
- Lease vs. buy analysis.
- Loan amortisation and interest costs.
- Tax deductions: Section 12C allowances.
- Sensitivity analysis: changes in utilisation or fuel price.

- Case study: buy or hire a crane?

Day 6: Data Collection, Record Keeping, and Software Tools

- Manufacturer data: fuel consumption, service intervals.
- Historical cost data from job cards.
- Spreadsheet templates for cost calculation.
- Introduction to fleet management software (e.g., Fleetio, Chevin).
- Tracking actual vs. budgeted costs.
- Variance analysis and corrective actions.
- Auditing and compliance with SAQA requirements.

Day 7: Integration, Practical Application, and Assessment

- Full cost model exercise: from purchase to hire rate.
- Presentation of cost analysis findings.
- Review of unit standard 115866 evidence requirements.
- Mock assessment: calculate cost for a specific plant item.
- Feedback and improvement areas.
- Action plan for workplace implementation.
- Course evaluation and certification.

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 **10 NQF credits** at **NQF Level 5**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 29,600.00	R 29,600.00
1	In-House	R 38,500.00	R 38,500.00
1	On-Campus (Pretoria)	R 44,400.00	R 44,400.00

UPCOMING SESSIONS

Start	End	Method	Venue
10 Aug 2026	18 Aug 2026	On-Campus	Pretoria, South Africa
11 Aug 2026	19 Aug 2026	On-Campus	Abu Dhabi, UAE
12 Aug 2026	20 Aug 2026	On-Campus	Durban, South Africa
12 Aug 2026	20 Aug 2026	On-Campus	Mauritius
13 Aug 2026	21 Aug 2026	On-Campus	Cape Town, South Africa
14 Aug 2026	24 Aug 2026	On-Campus	Dubai, UAE
17 Aug 2026	25 Aug 2026	On-Campus	Abu Dhabi, UAE
18 Aug 2026	26 Aug 2026	On-Campus	Durban, 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 115866) 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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