



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

Construction Management Principles Integration For Professionals Training

Physical Planning and Construction / Physical Planning, Design and Management

Unit Standard 116424 · NQF Level 7 · 10 Credits · 7 Days

COURSE OVERVIEW

This course equips construction professionals with the ability to integrate foundational construction management principles into practical, real-world projects. It bridges the gap between theoretical knowledge and applied competence, ensuring participants can manage resources, timelines, and quality standards effectively within the South African construction context.

Category	Physical Planning and Construction
Subfield	Physical Planning, Design and Management
Unit Standard	116424
Accreditation	SAQA Accredited · NQF Level 7 · 10 Credits
Duration	7 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Apply integrated construction management principles to plan, execute, and monitor projects within scope, budget, and schedule.
- Analyse project risks and implement appropriate mitigation strategies in compliance with South African regulations.
- Evaluate resource allocation methods to optimise labour, materials, and equipment usage on construction sites.
- Design quality assurance frameworks that align with contractual and statutory requirements.
- Demonstrate effective communication and coordination techniques across multidisciplinary construction teams.
- Implement continuous improvement processes using performance data and feedback loops.

WHO SHOULD ATTEND

- This course is designed for construction project managers, site supervisors, civil engineers, and other built-environment professionals seeking to formalise or refresh their integrated construction management skills.

COURSE OUTLINE

Day 1: Introduction to Construction Management Principles

- Overview of construction management principles.
- The construction industry in South Africa: trends and challenges.
- Stakeholder identification and engagement.
- Regulatory and legal requirements (including NHBRC, CIDB, and OHS Act).
- Ethics and professionalism in construction management.

Day 2: Project Lifecycle and Planning

- Project lifecycle: initiation, planning, execution, monitoring, closure.
- Feasibility studies and site selection.
- Work breakdown structure (WBS) creation.
- Scheduling techniques: Gantt charts, critical path method (CPM).
- Resource planning and allocation.
- Risk identification and management planning.

Day 3: Cost Management and Procurement

- Cost estimation: methods and accuracy.
- Budget development and cost control.
- Procurement strategies: traditional, design-build, and management contracting.
- Types of construction contracts (JBCC, NEC, FIDIC).
- Tendering processes and evaluation criteria.
- Value engineering and life-cycle costing.

Day 4: Quality Management and Site Safety

- Quality management principles (ISO 9001).
- Quality control vs. quality assurance.
- Inspection and testing plans.
- OHS Act and construction regulations.
- Hazard identification and risk assessment (HIRA).
- Safety file development and site audits.
- Incident reporting and investigation.

Day 5: Resource Management and Labour Relations

- Workforce planning and productivity.
- Labour Relations Act and Basic Conditions of Employment Act.
- Managing subcontractor performance.
- Supply chain management in construction.
- Conflict resolution and dispute avoidance.
- Communication and team leadership.

Day 6: Monitoring, Control, and Reporting

- Performance measurement: actual vs. planned.
- Earned value management (EVM) concepts.
- Variance analysis and forecasting.
- Progress reporting formats and frequency.
- Change management and variation orders.

- Project documentation and record keeping.

Day 7: Integration, Review, and Assessment

- Integration of planning, cost, quality, safety, and resource management.
- Case study: real-world construction project simulation.
- Group presentations and feedback.
- Summative assessment (written and practical).
- Reflection and action planning.
- Course wrap-up 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 7**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 32,400.00	R 32,400.00
1	In-House	R 42,200.00	R 42,200.00
1	On-Campus (Pretoria)	R 48,600.00	R 48,600.00

UPCOMING SESSIONS

Start	End	Method	Venue
07 Aug 2026	17 Aug 2026	On-Campus	Mauritius
10 Aug 2026	18 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	19 Aug 2026	On-Campus	Pretoria, South Africa
12 Aug 2026	20 Aug 2026	On-Campus	Abu Dhabi, UAE
13 Aug 2026	21 Aug 2026	On-Campus	Durban, South Africa
13 Aug 2026	21 Aug 2026	On-Campus	Mauritius
14 Aug 2026	24 Aug 2026	On-Campus	Cape Town, South Africa
17 Aug 2026	25 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 116424) 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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