



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

Supervise The Installation Of Foundation Applications Training

Physical Planning and Construction / Civil Engineering Construction

Unit Standard 119535 · NQF Level 3 · 15 Credits · 12 Days

COURSE OVERVIEW

This course equips learners with the skills to supervise the installation of foundation applications, such as operating systems and essential software, in a corporate IT environment. Participants will learn to plan, coordinate, and oversee installation processes to ensure compliance with organisational standards and industry best practices.

Category	Physical Planning and Construction
Subfield	Civil Engineering Construction
Unit Standard	119535
Accreditation	SAQA Accredited · NQF Level 3 · 15 Credits
Duration	12 days
Training Method	Online, On-Campus, In-House
Certificate	Issued via AATICD LMS – verifiable online

LEARNING OUTCOMES

- Plan and prepare for the installation of foundation applications in accordance with organisational requirements.
- Coordinate and supervise the installation process to ensure adherence to technical specifications and timelines.
- Verify that installed applications meet functional and performance criteria through testing and validation.
- Document installation procedures, configurations, and deviations for future reference and compliance.
- Apply quality assurance principles to monitor and evaluate the installation process.
- Identify and resolve installation-related issues using systematic troubleshooting techniques.

WHO SHOULD ATTEND

- This course is designed for IT professionals, system administrators, and technical team leaders who are responsible for supervising the installation of foundational software applications in a business or educational setting.

COURSE OUTLINE

Day 1: Introduction to Foundation Applications and Legislative Framework

- Overview of foundation types and applications
- National Building Regulations and SANS 10400 requirements
- Occupational Health and Safety Act (OHSA) for construction
- Supervisor responsibilities and accountability
- Introduction to quality management in foundation work

Day 2: Soil Mechanics and Site Assessment

- Soil classification and bearing capacity
- Groundwater and drainage considerations
- Reading and understanding geotechnical reports
- Site inspection techniques for soil conditions
- Risk assessment for soil instability and erosion

Day 3: Foundation Design Principles and Drawings

- Types of shallow foundations: strip, pad, raft
- Deep foundations: piles, piers, caissons
- Reading foundation plans and reinforcement details
- Load calculations and structural integrity
- Common design errors and how to avoid them

Day 4: Materials for Foundation Construction

- Concrete grades and mix design for foundations
- Reinforcement steel: types, grades, and placement
- Formwork materials and systems
- Waterproofing and damp-proofing materials
- Material testing and quality control procedures

Day 5: Setting Out and Excavation

- Setting out techniques using surveying instruments
- Excavation methods: manual vs. mechanical
- Safety in excavation: trench support and sloping
- Dewatering systems and groundwater control
- Tolerances and dimensional checks

Day 6: Reinforcement and Formwork Installation

- Reinforcement bending schedules and placement
- Tying methods and spacing requirements
- Formwork design and erection
- Formwork inspection before concrete pour
- Common defects and corrective actions

Day 7: Concrete Placement and Curing

- Concrete batching and transport
- Placing techniques: pumping, chuting, direct discharge
- Compaction methods: vibration and consolidation
- Curing methods: water, membrane, steam

- Quality control tests: slump, cube strength

Day 8: Deep Foundation Installation Supervision

- Driven piles: equipment and procedures
- Bored piles: augering and casing
- Pile integrity testing methods
- Load testing: static and dynamic
- Safety in deep foundation operations

Day 9: Waterproofing and Drainage Systems

- Types of waterproofing membranes: liquid, sheet, bentonite
- Damp-proof course installation
- Subsoil drainage systems: French drains, sumps
- Cavity drainage and weep holes
- Inspection and testing for watertightness

Day 10: Quality Assurance and Documentation

- Quality assurance vs quality control
- Inspection and test plans (ITPs)
- Non-conformance reports (NCRs)
- As-built drawings and record keeping
- Handover documentation and close-out

Day 11: Health, Safety, and Environmental Management

- Risk assessment methodology for foundation work
- Personal protective equipment (PPE) requirements
- Environmental management: erosion control, waste disposal
- Emergency response plans
- Incident reporting and investigation

Day 12: Practical Application and Assessment

- Simulated foundation installation exercise
- Practical assessment: setting out, reinforcement, concrete
- Evaluation of supervisor decision-making
- Course review and feedback
- Certification requirements and next steps

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 **15 NQF credits** at **NQF Level 3**.

PRICING (PER DELEGATE, EX-VAT)

Delegates	Training Method	Price per Delegate	Total
1	Online	R 41,000.00	R 41,000.00
1	In-House	R 53,300.00	R 53,300.00
1	On-Campus (Pretoria)	R 61,500.00	R 61,500.00

UPCOMING SESSIONS

Start	End	Method	Venue
03 Aug 2026	18 Aug 2026	On-Campus	Cape Town, South Africa
04 Aug 2026	19 Aug 2026	On-Campus	Dubai, UAE
05 Aug 2026	20 Aug 2026	On-Campus	Pretoria, South Africa
05 Aug 2026	20 Aug 2026	On-Campus	Lagos, Nigeria
06 Aug 2026	21 Aug 2026	On-Campus	Johannesburg, South Africa
07 Aug 2026	24 Aug 2026	On-Campus	Mauritius
10 Aug 2026	25 Aug 2026	On-Campus	Dubai, UAE
11 Aug 2026	26 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 119535) 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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