



EMERGING TECHNOLOGIES TRAINING

Blockchain Fundamentals for Enterprise Applications

3 day course

Classroom, online or in-house

Course overview

Most blockchain projects that reached production solved a problem a shared database would have solved more cheaply, and the ones that succeeded had several parties who genuinely did not trust each other. This course starts from that test. Delegates work through what a distributed ledger is and the specific property it provides, consensus mechanisms and what each costs in speed and energy, and the difference between public, private and permissioned networks. Smart contracts are covered, including their limits and the fact that a bug in one is often permanent. Use cases that hold up are examined: provenance, trade documentation and multiparty settlement, alongside the ones that do not. Integration with existing systems and data privacy on a shared ledger are addressed. The course closes on cost, on governance of a consortium and on evaluating a vendor proposal honestly.

What you will learn

- Identify the specific property a distributed ledger provides
- Compare consensus mechanisms on speed, cost and energy
- Choose between public, private and permissioned networks
- Explain what smart contracts can do and where they fail
- Separate use cases that hold up from those that do not
- Integrate a ledger with existing systems and protect data privacy
- Govern a consortium and evaluate a vendor proposal honestly

Who should attend

- IT managers
- Finance and treasury staff
- Supply chain managers
- Compliance officers
- Digital innovation leads

Course outline

- 01 The shared database test
- 02 Distributed ledgers and what they provide
- 03 Consensus mechanisms and their cost
- 04 Public, private and permissioned
- 05 Smart contracts and permanent bugs
- 06 Provenance, trade documents and settlement
- 07 Integration and privacy on a shared ledger
- 08 Cost, consortium governance and vendor claims

Upcoming dates

Dates	Venue	Format	Fee per delegate
7 to 9 December 2026	Cape Town, South Africa	Classroom	R14,950
28 to 30 December 2026	Lusaka, Zambia	Classroom	USD 995
10 to 12 February 2027	Harare, Zimbabwe	Classroom	USD 995
15 to 17 February 2027	Online	Online	R6,500



Fees and how to register

This 3 day course is **R6,500** per delegate online, **R14,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 995** in the classroom elsewhere in Africa. In-house training is quotation on request. Book 2 or more delegates on this course and save 10%.

To register or request an in-house proposal, visit www.afrisciencegroup.com, email info@afiscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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