



EMERGING TECHNOLOGIES TRAINING

Quantum Computing: Awareness and Organisational Readiness

2 day course

Classroom, online or in-house

Course overview

Quantum computing will not affect most organisations operationally for some years, but the cryptography protecting data recorded today may be broken within the lifetime of that data, which makes it a present concern for anyone storing anything long lived. This course separates the two timelines. Delegates work through what quantum computing actually does and the narrow problem classes it addresses, the current state of the hardware stated without vendor optimism, and the realistic application areas. The cryptographic exposure is covered in full, including harvest now and decrypt later, post quantum algorithms and migration planning. Cryptographic inventory is treated as the first practical step. The course closes on separating genuine preparation from procurement driven urgency.

What you will learn

- Explain what quantum computing does and which problem classes it addresses
- Assess the current state of the hardware without vendor optimism
- Identify realistic application areas and their timelines
- Explain the cryptographic exposure including harvest now and decrypt later
- Describe post quantum algorithms and the migration ahead
- Build a cryptographic inventory as a first practical step
- Separate genuine preparation from procurement driven urgency

Who should attend

- Information security managers and architects
- IT strategy and technology planning staff
- Risk and compliance professionals
- Executives assessing long term technology risk
- Researchers and technical staff tracking the field

Course outline

- 01 Two timelines, one present concern
- 02 What quantum computing actually does
- 03 Problem classes it addresses
- 04 Current hardware state without the optimism
- 05 Realistic application areas
- 06 Cryptographic exposure and harvest now decrypt later
- 07 Post quantum algorithms and migration
- 08 Cryptographic inventory and separating preparation from hype

Upcoming dates

Dates	Venue	Format	Fee per delegate
28 to 29 October 2026	Online	Online	R6,500
10 to 11 November 2026	Johannesburg, South Africa	Classroom	R11,950
19 to 20 January 2027	Pretoria, South Africa	Classroom	R11,950
26 to 27 January 2027	Maputo, Mozambique	Classroom	USD 795



Fees and how to register

This 2 day course is **R6,500** per delegate online, **R11,950** in the classroom in South Africa, Botswana, Namibia, Lesotho and Eswatini, and **USD 795** 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@afriscience.co.za, or WhatsApp us on **+27 63 479 1136**.

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