

QUANTUM SECURITY & PQC

Introduction to Quantum Security

FREE INTRODUCTORY COURSE

Understand why quantum computing matters for cryptography and what a post-quantum migration involves, in about an hour.

DURATION

~1 hour

Self-paced

LEVEL

Introductory

No prerequisites

ON-DEMAND FEE

Free

Online on-demand

Start with the security fundamentals.

WHAT YOU WILL LEARN

- ✓ Explain the quantum threat to current cryptography in plain language.
- ✓ Distinguish long-term data confidentiality from digital-signature exposure.
- ✓ Describe the role of post-quantum standards and the broad migration process.
- ✓ Assess timeline claims and choose an appropriate next step in your learning.

WHO SHOULD ATTEND

Security and IT staff, managers, risk and compliance professionals, and anyone seeking a clear introduction to quantum security.

PREREQUISITES

None. No technical or cryptography background is required.

Why Quantum Academy

Quantum Academy teaches from the openly published Applied Quantum PQC Migration Framework and practitioners' experience running migration programs.

What you will study

Three short parts, designed for learners new to the subject.

01 The Threat

Understand the different effects on public-key and symmetric cryptography. Distinguish quantum computing headlines from cryptographically relevant capability.

02 Why Now

Examine harvest-now-decrypt-later, future signature forgery and the external expectations that influence migration planning.

03 What Comes Next

Learn the role of NIST post-quantum standards, the broad stages of migration and options for further study.

Format and access

Online on-demand

Free

Self-paced, approximately one hour. Study the three parts in your own time.

An introduction to the subject. This course does not prepare you for a certification exam.

Includes a certificate of attendance. This is a course completion record, not a professional certification.

What is included

- Course handbook: full material with written instructor notes.
- 180 days of online on-demand access. Where that course is not yet published, the 180 days start on the day it is.

CONTINUE YOUR LEARNING

Post-Quantum Foundation
Quantum Security for Executives

Explore the course

View course details at QuantumAcademy.com



Enrollment opens soon. Check the course page for availability.

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