

QUANTUM SECURITY & PQC

Quantum-Safe AI Systems

APPLIED SECURITY COURSE

Bring production AI systems into the post-quantum migration plan, from training-data confidentiality to model signing and platform dependencies.

DURATION

~4 hours

Short professional course

LEVEL

Advanced

Security fundamentals

ON-DEMAND FEE

US\$499

Online on-demand

Include AI in the migration scope.

WHAT YOU WILL LEARN

- ✓ Map cryptographic dependencies throughout an AI platform.
- ✓ Assess training-data and model confidentiality against long-term exposure.
- ✓ Plan post-quantum model signing, artifact integrity and provenance.
- ✓ Set cryptographic requirements for model suppliers and AI platform vendors.

WHO SHOULD ATTEND

Security architects, CISOs, ML platform engineers, production-pipeline owners and PQC migration teams responsible for AI infrastructure.

PREREQUISITES

Security fundamentals assumed. PQC basics help; Introduction to Quantum Security is a free starting point.

Why Quantum Academy

Quantum Academy teaches from the Applied Quantum PQC Migration Framework and faculty experience running enterprise migration programs.

What you will study

Security of AI systems, from data confidentiality to model provenance.

01 The cryptographic anatomy of an AI system

Map cryptography across AI pipelines and identify quantum-era dependencies.

02 Long-lived secrets

Assess training data, model weights and harvest-now-decrypt-later exposure.

03 Integrity and provenance

Examine model signing, provenance and future signature-forgery risks.

04 Migrating AI infrastructure

Apply migration methods to APIs, MLOps, storage and embedded deployment.

05 The AI supply chain

Assess cryptographic assumptions in third-party models, data and tools.

06 The combined roadmap

Sequence AI migration priorities, dependencies and ownership.

Formats and fees

Online on-demand	US\$499
Live online	US\$749
In person	US\$999
Private team training	Custom quote

Includes a certificate of completion. This is not a professional certification.

This course focuses on securing AI systems; quantum machine learning is outside its scope. Completion does not confer 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.
- PDF copy of Quantum Ready by Marin Ivezic, at no extra cost.

Explore the course

View course details at QuantumAcademy.com



On-demand enrollment opens soon. Check the course page for live dates and availability.

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