

QUANTUM SECURITY & PQC

Cryptographic Discovery, Inventory, and CBOM

TECHNICAL DEEP DIVE

Build a usable view of cryptography across code, protocols, certificates, key systems and third parties, then turn the inventory into migration priorities.

DURATION

4 hours

Short professional course

LEVEL

Intermediate

PQC basics recommended

ON-DEMAND FEE

US\$499

Online on-demand

Build an inventory you can act on.

WHAT YOU WILL LEARN

- ✓ Combine scanning, code analysis and manual assessment for discovery.
- ✓ Build a CBOM with algorithms, purposes, dependencies and owners.
- ✓ Connect discovery to SCA, SBOM and CI/CD processes.
- ✓ Maintain a living inventory and prioritize assets by exposure and impact.

WHO SHOULD ATTEND

Security engineers and architects, IT asset-management professionals, and teams responsible for leading or conducting cryptographic discovery for migration.

PREREQUISITES

PQC fundamentals recommended. Foundation or PQCS Specialist Training provides optional preparation.

Why Quantum Academy

The course draws on the Applied Quantum PQC Migration Framework and faculty experience running migration programs inside organizations.

What you will study

Discovery methods, a maintained CBOM and risk-based migration priorities.

01 Discovery Methodology

Discover cryptography in code, networks, certificates and configuration. Address gaps across legacy systems, embedded devices and third-party services.

02 Tooling and Automation

Evaluate scanning and CBOM tools, CycloneDX formats and pipeline integration. Identify where automation needs manual follow-up.

03 Building the CBOM

Capture algorithms, key lengths, purpose, location, dependencies and ownership. Connect cryptographic assets to business systems and data flows.

04 Prioritization and Scoring

Score vulnerability, confidentiality needs, exposure, business criticality and migration complexity. Use the results to build a prioritized roadmap.

Formats and fees

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

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 Ivezić, at no extra cost.

Includes a certificate of completion, not professional certification. CPE earned may apply toward Quantum Academy certification maintenance.

Explore the course

[View course details at QuantumAcademy.com](https://quantumacademy.com)



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

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