Quantum-Safe Insurance Intensive

Practitioner intensive

An eight-hour workshop for insurers planning a PQC program for their systems and cyber book. Leave with underwriting questions and a year-one plan.

Duration

8 hours

Planning workshop

Level

Practitioner

No cryptography background needed

Fee

US$1,199 live online

Private team training quoted per engagement

Insurers that write cyber cover have to manage two problems in one post-quantum cryptography (PQC) program. The first is the insurer's own estate, where policy, claims, and medical underwriting data can stay sensitive for decades. The second is the cyber book, where underwriters decide what to ask insureds about quantum readiness and how to judge the answers. In this workshop, you build one program plan that covers both.

What you will build

- An estate map marking what your teams, vendors, brokers, and reinsurers control
- A program charter and a steering committee structure, with security and underwriting as members
- An inventory plan, with its tracks, starting records, and order
- Confidentiality horizons for your main data classes and an initial priority list, with evidence gaps recorded
- A vendor and counterparty register that separates evidenced dates from assumptions
- Submission and renewal questions for insureds, with the evidence to request for each
- An accumulation sketch for a cyber book, and a list of policy wording questions with an owner for each
- A year-one plan by quarter, with workstreams, board KPIs, and the decisions you need from others

Who should attend

- Program managers and PMO leads
- The CISO or CIO who will sponsor the program
- Security architects
- Cyber underwriting leads
- Actuarial and risk staff working on cyber exposure
- Claims and policy wording specialists
- Vendor management and compliance

The intensive is for insurers and reinsurers. We recommend sending a mixed group from one insurer or reinsurer, ideally the people who would be members of its quantum readiness steering committee. Bring at least one person from cyber underwriting. Many of the decisions in Modules 6 to 8 are underwriting decisions.

Preparation

We recommend Quantum-Safe Insurance as preparation, though you can enroll without it. It covers the same ground at overview depth. You can work through the day with data from your own organization or with a sample insurer and cyber book we provide.

Why Quantum Academy

This intensive is built on the Applied Quantum PQC Migration Framework, published openly under Creative Commons at pqcframework.org. The day also draws on the insurance material in the framework's Financial Services Extension. The course author wrote the framework. The instructors run migration programs in this industry and teach the sector material from that field work.

Curriculum and enrollment

The day

The instructor starts each module with a short briefing. You then apply the module's template to your own estate and cyber book, or to the sample insurer. Live online, we teach the intensive in two four-hour sessions on consecutive days, each with a short break. We cover Modules 1 to 4 in the first session and Modules 5 to 8 in the second.

First session

Module 1. Two problems, one program
The instructor walks through the insurance material in the Financial Services Extension, from policy records that can stay sensitive for decades to the data exchanged with brokers and reinsurers.

Module 2. Mandate, governance, and the business case
You define the steering committee, with security and cyber underwriting as members alongside compliance, legal, and procurement.

Module 3. Inventory planning for your own estate
You plan the inventory on the Financial Services Extension's tracks. For an insurer, these include policy and claims platforms, customer and broker portals, document signing, long-retention stores, and third-party interfaces.

Module 4. Risk scoring by confidentiality horizon
You assign a confidentiality horizon to each data class, such as medical underwriting files, claims histories, actuarial data, and reinsurance treaties, and record it apart from the retention period.

Second session

Module 5. Vendors, brokers, and reinsurers
With brokers and reinsurers, you plan readiness inquiries, joint test events, and a published schedule for retiring classical-only connections.

Module 6. Underwriting quantum risk
You draft the quantum readiness questions for your cyber submissions and renewals, and the evidence to request with each answer.

Module 7. Accumulation and policy wording
You group the insureds in a cyber book by the cryptographic dependencies they share, such as a certificate authority or an implementation used in several vendors' products.

Module 8. Year-one plan, KPIs, and the asks
You organize the program into workstreams with named owners, and assemble a year-one plan by quarter that covers your estate and your underwriting.

As private team training, we can also teach it in one day at your location.

Formats and fees

Format	Delivery	Fee
Live online	Two four-hour sessions on consecutive days	US$1,199
Private team training	Online, or in one day at your location. Only your own colleagues attend	Quoted per engagement

What is included

- The course handbook, a PDF of the full material with the instructor notes written out
- A PDF copy of *Quantum Ready* by Marin Ivezic, the companion book to the framework the day draws on
- The working documents you build during the day, editable and yours to keep
- 180 days of access to the corresponding online on-demand course. Where that course is not yet published, the 180 days start on the day it is.
- A Quantum Academy certificate of completion. It confirms that you completed the course and is separate from Quantum Academy's professional certifications.

Explore the course

Dates and booking: quantumacademy.com/courses/quantum-safe-insurance-intensive/

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Prices as of October 2026.

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