Quantum-Safe Digital Assets Intensive

Practitioner intensive

A full-day workshop for exchanges and custodians planning a PQC migration. Leave with an inventory plan, protocol timeline map, and year-one roadmap.

Duration	Level	Fee
8 hours	**Practitioner**	**US$1,199 live online**
Planning workshop	No cryptography background needed	US$1,599 in person

On a public blockchain, whoever produces a signature or other authorization the protocol accepts can move the asset, regardless of legal title. Each chain's protocol also sets the signature algorithm. Post-quantum cryptography (PQC) for on-chain keys requires the protocol to accept a PQC signature scheme, and adding one is a governance decision no exchange or custodian can compel. You can change your custody key management, signing stacks, and address-rotation policy now, on your own schedule. In this workshop, you plan how to migrate what you control and how to track the chains you depend on.

What you will build

- An estate map that sorts custody systems, on-chain keys, and smart contracts by who controls each change
- A program charter and steering committee structure, with a protocol-governance seat
- An inventory plan, with its tracks, starting records, and coverage denominator
- An initial priority list, with evidence gaps and blocked entries recorded
- A custody register of your key management and signing systems, plus a vendor dependency register that separates evidenced dates from assumptions
- A timeline map of the chains you support, with graded dates and a decision owner for each
- A workstream structure with role and resource assumptions
- A year-one plan by quarter, with board KPIs and the decisions you need from others

Who should attend

- Program managers and PMO leads
- The CISO or CTO who will sponsor the program
- The leads for custody operations and key management
- HSM and multi-party signing engineers
- Whoever tracks protocol governance for your chains
- Vendor management, risk, and compliance staff

The intensive is for exchanges, custodians, funds, and issuers of stablecoins and tokenized assets. We recommend sending a mixed group from one organization, ideally the people who would be members of its quantum readiness steering committee. Bring at least one person from custody operations. Many of the sequencing decisions in this workshop are custody operations decisions.

Preparation

We recommend Quantum-Safe Digital Assets 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 custodian we provide.

Why Quantum Academy

This intensive is built on the Digital Assets Extension of the Applied Quantum PQC Migration Framework, published openly under Creative Commons at pqcframework.org. The course author wrote the framework. The instructors run migration programs in this sector and teach the constraints they meet in that 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 or to the sample custodian. In person, we teach the intensive from 09:00 to 17:00 local time, with lunch and two breaks:

09:00–09:50 · Module 1. What you control and what you track
The instructor walks through the record of chain upgrades, from Bitcoin's Taproot to Zcash's two cryptographic changes within 60 days in 2026.

09:50–10:40 · Module 2. Mandate, governance, and the business case
You define a steering committee with a protocol-governance seat, and frame the business case as fiduciary and custody risk.

10:40–11:00 · Break

11:00–11:45 · Module 3. Inventory planning
You plan to list every address, account, contract, and validator from treasury, custody, portfolio, and staking records before any chain scan.

11:45–12:30 · Module 4. Risk scoring and priorities
You score each entry on the framework's four dimensions where they apply, with sector factors such as exposure state and value concentration.

12:30–13:30 · Lunch

13:30–14:20 · Module 5. Custody stack and vendor management
You list your HSMs, key management systems, and multi-party signing stacks in the framework's custody register.

14:20–15:10 · Module 6. Protocol governance and the chains you support
For each chain, you write the interim address-rotation policy and name the business owner who decides whether to accept the risk, reduce holdings, or exit.

15:10–15:30 · Break

15:30–16:15 · Module 7. Program structure and staffing
You organize the work into workstreams and repeatable work packages, such as ending address reuse on one chain.

16:15–17:00 · Module 8. Year-one plan, KPIs, and the asks
You set board KPIs for on-chain quantum exposure, custodial infrastructure PQC readiness, protocol PQC timeline alignment, and smart contract admin key exposure.

Live online, we teach it 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.

Formats and fees

Format	Delivery	Fee
Live online	Two four-hour sessions on consecutive days	US$1,199
In person	One day, 09:00 to 17:00 local time	US$1,599
Private team training	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-digital-assets-intensive/

training@quantumacademy.com · +1 (312) 803-4969

Prices as of October 2026.

Quantum Academy credentials are private professional credentials issued by Quantum Academy, a trade name of Post-Quantum Institute. They are not government-issued licenses, accredited degrees, or academic credit, and earning one does not guarantee employment, promotion, regulatory approval, or any other specific outcome.

Quantum Academy programs are educational and informational only, and are not legal, compliance, or engineering advice.