

QUANTUM TECHNOLOGY

Certified Quantum Technology Professional

CQTP TRAINING

Evaluate quantum computing capabilities, enterprise use cases and organizational readiness with evidence.

ON DEMAND

~40 hours

Self-paced

LIVE TRAINING

24 hours

Across four days

LEVEL

Foundational

Certification preparation

Make informed technology decisions.

WHAT YOU WILL LEARN

- ✓ Explain quantum computing concepts and distinguish physical from logical qubits.
- ✓ Evaluate hardware approaches, cloud platforms and published capabilities.
- ✓ Assess the suitability of quantum algorithms for enterprise use cases.
- ✓ Identify integration requirements and develop an evidence-based adoption strategy.

WHO SHOULD ATTEND

Technology strategists, enterprise architects, CIOs, CTOs, R&D leaders, innovation managers, technical consultants and analysts.

PREREQUISITES

None. No quantum physics or programming background is required.

Preparation for the CQTP certification

Completing training does not confer the credential. You must pass the separate exam.

What you will study

Seven modules connecting core concepts with applied professional decisions.

01 Quantum Computing Fundamentals

Develop a working understanding of qubits, gates, circuits, entanglement, measurement and error correction. Distinguish physical and logical qubits when evaluating claims.

02 Hardware Modalities and Their Tradeoffs

Compare superconducting, trapped-ion, photonic, neutral-atom and silicon-spin approaches. Evaluate engineering trade-offs using capabilities, connectivity, error rates and scaling constraints.

03 Quantum Algorithms and Applications

Assess optimization, simulation, machine learning and cryptographic applications. Separate demonstrated capability from theoretical promise and match algorithms to use cases.

04 Quantum Cloud Platforms

Compare access models, available hardware, development tools and pricing. Use application-relevant benchmarks and assess documentation, support and platform maturity.

05 Enterprise Integration Architecture

Examine quantum-HPC coupling, data pipelines and workflow orchestration. Assess networking, latency and deployment choices across cloud and on-premises infrastructure.

06 Organizational Readiness Assessment

Assess talent, infrastructure, use cases and governance. Identify training, security, intellectual-property and vendor-management requirements for adoption.

07 Evaluation Framework and Strategy Development

Apply structured decision criteria, readiness assessment and risk analysis. Build a strategy with measurable objectives and explicit assumptions about technology maturity.

Applied learning

The course draws on Quantum Systems Integration by Marin Ivezic and faculty experience with quantum engineering and integration teams. Emphasis is on evaluation and judgment.

Plan your participation

Training formats and fees

Online on-demand	US\$1,999
Live online	US\$2,499
In person	US\$2,999
Private team training	Custom quote

Live online and in-person delivery: four days, six hours of instruction per day. On-demand delivery: approximately 40 hours at your own pace.

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

Included with training

- Course handbook with the full material and written instructor notes.
- PDF copy of Quantum Systems Integration by Marin Ivezic, included at no extra cost.
- 180 days of online on-demand access. Where that course is not yet published, the 180 days start on the day it is.

Training and exam options

On-demand + exam	US\$2,399
In-person + exam	US\$3,399
Exam only	US\$599

Quantum Computing Path: US\$4,499 online
CQTP + CQSI training and both exams. CQTP must be active before CQSI training.

The CQTP exam

100 questions: 90 scored + 10 unscored pilot items.

150 minutes; closed book; proctored.

Multiple-choice and scenario questions.

Passing score: 700 on a 100-900 scale.

Plan 20-40 hours of independent study in addition to the course.

After certification

An active CQTP credential is the prerequisite for CQSI Systems Integrator Training. CQNE and QCSP offer networking and security specializations.

Three-year validity. US\$149 annual maintenance covers all active Quantum Academy credentials. See the [credential page](#) for renewal and exam terms.

Explore dates and enrollment

View the CQTP program at QuantumAcademy.com



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

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Prices: September 2026; applicable taxes are shown at checkout. Quantum Academy credentials are private professional credentials of Post-Quantum Institute, not government-issued licenses, accredited degrees or academic credit. No employment, promotion, regulatory approval or specific outcome is guaranteed. Programs are educational and informational only, not legal, compliance or engineering advice.