

QUANTUM SECURITY & PQC

Quantum-Safe Telecommunications

SECTOR OVERVIEW

Plan post-quantum migration for mobile and fixed operators across subscriber identity, network interfaces, equipment and partner dependencies.

DURATION

3 hours

Short professional course

LEVEL

Intermediate

No formal prerequisites

ON-DEMAND FEE

US\$249

Online on-demand

Plan the operator migration.

WHAT YOU WILL LEARN

- ✓ Map cryptography across subscriber identity, signaling, transport and core networks.
- ✓ Evaluate equipment, SIM and provisioning dependencies in the migration plan.
- ✓ Interpret sector guidance and track relevant standards developments.
- ✓ Coordinate roaming partners and assess performance during migration testing.

WHO SHOULD ATTEND

Network security architects, core and radio engineering leads, standards staff and vendor managers at fixed and mobile operators, plus equipment suppliers.

PREREQUISITES

None. Sector experience helps. Post-Quantum Foundation is an optional starting point.

Why Quantum Academy

Our faculty runs sector migration programs. The course applies the Telecommunications Extension of the Applied Quantum PQC Migration Framework.

What you will study

Sector-specific priorities for post-quantum migration.

01 Telecommunications Cryptographic Dependencies

Map subscriber-identity protection, roaming interfaces, SIM provisioning, update security and transport encryption. Distinguish access and core network dependencies.

02 GSMA Guidance and Standards

Examine GSMA guidance alongside 3GPP and ETSI work. Assess how network standards and future architecture choices affect migration planning.

03 Operator Migration Strategy

Sequence core, transport, access and service migration. Evaluate SIM provisioning, roaming-partner coordination and equipment-vendor dependencies.

04 Implementation and Testing

Plan network tests for handover, roaming and latency-sensitive services. Assess performance and applicable requirements during cryptographic transition.

Formats and fees

Online on-demand	US\$249
Live online	US\$379
In person	US\$499
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 Ivezic, at no extra cost.

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

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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