

QUANTUM AI & MACHINE LEARNING

Evaluating Quantum AI and Machine Learning

QUANTUM TECHNOLOGY COURSE

Learn the main quantum machine learning approaches and apply a structured method to assess research, pitch decks and vendor claims against credible classical comparisons.

DURATION

4 hours

Short professional course

LEVEL

Intermediate

No coding required

ON-DEMAND FEE

US\$399

Online on-demand

Evaluate quantum AI with evidence.

WHAT YOU WILL LEARN

- ✓ Assess quantum ML methods and their proposed advantages.
- ✓ Explain variational approaches and their practical limitations.
- ✓ Compare application claims against strong classical baselines.
- ✓ Apply a due-diligence framework to research and vendor proposals.

WHO SHOULD ATTEND

Analysts, investors, program and product managers, architects, strategists and data scientists who need to evaluate quantum AI methods and proposals before committing to implementation.

PREREQUISITES

No quantum background or coding required. Familiarity with classical machine learning is helpful.

Why Quantum Academy

The course draws on Quantum Systems Integration by Marin Ivezic and faculty experience working with quantum engineering and integration teams.

What you will study

Technical understanding of quantum ML, applied to evaluation and due diligence.

01 Quantum ML foundations

Map the main approaches and where quantum computing might help machine learning. Understand why benchmarking is central to assessing potential value.

02 Variational circuits and QAOA

Examine variational circuits, the Quantum Approximate Optimization Algorithm and variational eigensolvers. Assess how they work and what limits practical performance.

03 Quantum kernels and optimization

Explore kernel methods for classification and quantum-enhanced optimization. Assess finance, logistics and materials claims against strong classical alternatives.

04 Evaluating quantum AI claims

Choose meaningful benchmarks and comparisons. Recognize misleading evaluation patterns and build an evidence-based assessment of research, startups and vendor roadmaps.

Formats and fees

Online on-demand	US\$399
Live online	US\$599
In person	US\$799
Private team training	Custom quote

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

Completion does not confer a professional certification.

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 Systems Integration by Marin Ivezic, at no extra cost.

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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