

WORK



# Quantum Computing for Working Professionals

*Navigate complexity. Decide without certainty.*

## Quantum computing is moving from research labs to business conversations:

But between technical bootcamps that require months of commitment and executive briefings that offer only surface-level understanding, working professionals lack a practical entry point.

You need to understand quantum computing well enough to assess relevance to your industry and to the changing nature of work. And, of more immediate benefit: quantum concepts like superposition, entanglement, and observer effect provide a powerful set of models for better decision-making under highly complex, ambiguous, and rapidly changing conditions — ***exactly the conditions that define the current and future business environment.***

***This program builds quantum literacy without requiring a physics background:*** what quantum computing actually is, where it's headed in the next 3–5 years, and how quantum concepts provide powerful frameworks for navigating organizational decisions under uncertainty.

## This program addresses two different, equally critical, needs:



### Mike

is a cybersecurity analyst at a financial services firm who keeps seeing “quantum-safe encryption” surface in vendor proposals and board-level risk discussions — with conflicting levels of urgency each time. He doesn't need to resolve that

disagreement. But he does need to evaluate what he's hearing to know whether his organization is facing a near-term decision — or being sold one.



### Carrie

is an HR business partner navigating a reorg, a return-to-office mandate, and a new performance review cycle — all at once. She knows that pulse surveys and performance reviews change employee behavior the moment

they're launched, making every data point she relies on a moving target.

*No physics, advanced math, or computer science background required*

**For registration or questions: [WORKdae@MYdae.org](mailto:WORKdae@MYdae.org)**

[MYdae.org](http://MYdae.org)

# Program Structure:

Six weekly sessions, three hours each.

Sessions 1–2:  
Foundations

## Gain a sober, accurate understanding of:

- What quantum computing is—and is not.
- Core concepts (superposition, entanglement, measurement)—introduced conceptually, not mathematically.
- Plausible timelines for business relevance.
- Where excitement is warranted—and where it is not.

Sessions 3–6  
Application

## Apply quantum concepts to examine how organizational decisions behave under uncertainty:

- **Recognize non-local effects (entanglement):** How decisions made in one part of an organization produce consequences elsewhere, often without a clear link.
- **Account for observer effects (measurement):** How KPIs, dashboards, audits, and performance reviews don't just measure reality—they actively reshape behavior and outcomes.
- **Work with probabilistic outcomes (superposition):** Holding multiple plausible futures at once without collapsing prematurely to a single narrative or plan.
- **Resist hindsight bias (wave function collapse):** Understanding why outcomes feel "obvious" after the fact—and how that illusion distorts learning and future judgment.
- **Navigate competing models (incompatible bases):** Acting responsibly when different frameworks, forecasts, or expert views cannot be reconciled into one coherent picture.
- **Define responsible action under constraint (bounded systems, decoherence):** Deciding when to commit, pause, or probe further as complexity, time pressure, and organizational noise degrade clarity.

## Program Deliverables:

A role-relevant ‘glossary’ of quantum concepts, a reusable decision framework, and a path for applying program concepts and tools directly to real work.

## About WORKdae & dae

WORKdae is the career up-skilling arm of **dae**, which itself is the nonprofit extension of the work of U of Next and The Center for Leadership Studies. For 30 years, we have been developing individuals and organizations across North America and Europe on issues of innovation and systems-level change.

WORKdae combines the pedigree, experience, and results of a global consultancy with the social mission and financial stewardship of a 501(c)(3) nonprofit. Proceeds from WORKdae help to further the mission of dae and support dae’s scholarship-based high school and adult programs in New Haven, Stamford, and — launching in 2026/2027 — Bridgeport, CT

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