

Quantum Technology for Government and Defense

Quantum Technology

A four-hour course on quantum technology for government and defense. We cover quantum sensing for navigation and timing, quantum computing programs, quantum networks and sovereignty, with the status of each and what to prepare now.

Duration

4 hours

Short professional course

Level

Executive

No prerequisites

On-demand fee

US\$399

Online on-demand

Evaluate capability, procurement and sovereignty.

What you will learn

- ✓ Explain what quantum sensing, computing and networking can and cannot do for government and defense today
- ✓ Judge a quantum navigation or timing claim by its field data and the baseline it was compared with
- ✓ Tell a fielded capability from a field trial, a lab demonstration or an announced program
- ✓ Explain why national agencies prefer post-quantum cryptography to quantum key distribution
- ✓ Map the sovereignty and supply-chain risks in a quantum procurement
- ✓ Plan pilots, evaluation skills and funding milestones for the next five years

Who should attend

Senior officials, defense capability and program managers, procurement and innovation leads, and policy teams in defense ministries, armed forces, intelligence and civilian agencies. Also useful for defense industry executives, and for advisers who brief governments on quantum technology.

Prerequisites

None. No technical background is assumed.

Why Quantum Academy

Quantum Academy teaches from *Quantum Systems Integration*, written by the course author, and faculty experience with quantum engineering and integration teams. Hardware results, announcements and resource estimates are clearly distinguished.

What you will study

5 modules · 4 hours · No exam

01 Judging Quantum Claims – 45 minutes

Separate hardware results, announcements and estimates; distinguish physical from logical qubits. Test baselines and roadmap commitments using a navigation trial with differing press-release and preprint claims.

02 Quantum Sensing for Navigation, Timing and Detection – 75 minutes

Assess magnetometers, gravimeters, inertial sensors and optical clocks by field results, size, weight, power and ruggedness. Cover radio-frequency sensing, detection and the physical limits of quantum radar.

03 Quantum Computing and Quantum Networks – 45 minutes

Review DARPA's Quantum Benchmarking Initiative and the US Department of Energy's Q Competition. Cover cryptanalysis, materials applications, QKD networks and why NSA and the UK's NCSC do not support QKD for national security or military use.

04 What Governments Are Doing – 30 minutes

Review US, NATO, UK, Australian, EU and Indian programs. Distinguish field results, lab demonstrations and announced programs, including the UK's mission to deploy quantum navigation on aircraft by 2030.

05 Preparing Now: Evaluation and Sovereignty – 45 minutes

Test vendor field data against procurement needs. Map suppliers, export controls and exit rights, cover post-quantum migration deadlines, and draft a one-page quantum brief for leadership.

Formats and fees

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

What is included

- Course handbook: full material with written instructor notes.
- Use-case table with sources and results labelled as demonstrated, announced or estimated.
- PDF copy of *Quantum Systems Integration*, written by the course author.
- 180 days of access to the online on-demand course.

Upon completion, you receive 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

See dates and enroll on the [course page](#).

quantumacademy.com/courses/quantum-technology-government-defense/



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