

The LPS Qubit Collaboratory presents

# QUANTUM COMPUTING 2026 SUMMER SHORT COURSE

*Algorithms to Hardware*

The Laboratory for Physical Sciences (LPS) Qubit Collaboratory (LQC) invites graduate students and advanced undergraduates enrolled in physics programs, and programs in related disciplines, to join our 2026 Quantum Computing Summer Short Course. The 2-week course will provide an introduction to quantum computing, from algorithms to physical implementations, including hands-on projects. Spaces are limited to enhance the student experience. Please submit your application using the QR code or URL below. We hope to see you there.

## WORKSHOP TOPICS

- Qubit fundamentals
- Initialization & measurement
- One & two-qubit gates
- Quantum algorithms
- Superconducting qubits
- Semiconductor-based qubits
- Trapped ion qubits
- Neutral atom qubits

## PLUS

- Course topics taught by subject experts
- Virtual lab tours
- Networking with peers and leading quantum information scientists
- Official certificate awarded for successful course completion

**QUESTIONS?** Contact: [lqc@lps.gov](mailto:lqc@lps.gov)

**DATES:** June 1, 2026 – June 12, 2026

**TIMES:** Weekday afternoons 12:30 – 4:30pm EDT

**LOCATION:** Virtual

**COST:** Free to accepted participants

**APPLY NOW TO SECURE YOUR SPOT!**

**APPLY:** USE QR code or visit  
<https://forms.gle/boVj9gGeSxo7MUQ26>

