Learn Quantum Computing

University of Toronto x qBraid High School Class

Course description:

This course is a fun introduction to quantum computing. It aims to rigorously cover the minimal math background necessary to understand several fascinating topics in quantum computing.

Who is the course aimed at:

Juniors and seniors in high school interested in math and science, with at least a high school Algebra background (No Calculus needed).

UToronto Run HS Class

The University of Toronto Quantum Computing Club is partnering with Quantum Computing (QC) startup qBraid to teach high school students the basics of QC. The class will run for 11-12 weeks during the summer, meeting once a week over zoom, outside of school hours. No computing or physics background is required. **All you need is high school algebra and access to the internet. THE COURSE IS COMPLETELY FREE!**

You will earn a certificate upon completion of the course.

Details

When (Tentatively):
6th June - 22th August 2021
Live lecture once a week + office hour

Where: All remote

What you will learn:

- Basics of quantum mechanics, linear algebra and classical computing
- Qubits, quantum gates, and programming quantum algorithms
- Superposition, interference, and entanglement.
- Some simple and fascinating phenomena in quantum computing.

To register: Create an account at https://qbraid.com, navigate to Upcoming Events, and fill in the form for the UToronto x qBraid course.