

Quantum Computation Using IBM's Qiskit

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Course Introduction

This course will introduce quantum computing:

- Quantum computing basics
- Quantum gates and algorithms
- Quantum information basics
- Quantum error correction
- Quantum entanglement
- and more!

Background needed: Linear algebra, Basic quantum theory, Python programming

Resource Link: <https://github.com/jayluxferro/QCIP>

Lecture Recordings: https://drive.google.com/drive/folders/1UDTjLbOaAbdyhjMhEfny5LiEDdpgtAih?usp=share_link

Recap

Why quantum computing?



Quantum Computing using Qiskit

Qiskit: <https://www.ibm.com/quantum/qiskit>

IBM Quantum Platform: <https://quantum.cloud.ibm.com/>

Quantum Research: <https://www.ibm.com/quantum/research>

Quantum Computing Basics

