OnRamps

QUANTUM COMPUTING

Lasers and teleportation don't just exist in the movies; in fact, OnRamps Quantum Computing will show you that reality is sometimes even stranger than fiction!

In this course you'll learn how the science of quantum computing connects concepts in physics, mathematics, computer science, and cybersecurity. Collaborate with your peers as you learn how to send secret communications using cryptography, hack communications, build and use quantum optical simulations, and put some science-based context to the "quantum" part of quantum computing.

- Take on the role of physicist, programmer, mathematician, cybersecurity expert, and more!
- Develop a scientific literacy that will prepare you for future courses in physics, mathematics, and computer science.
- Build unique technical skills in programming—including Python—and cloud computing.
- Earn transferable college credit and build skills for success in college and a career.

DID YOU KNOW?

Quantum computers are among the fastest-growing areas of technology over the past five years,* and the technology is forecasted to have a value potential of more than *one trillion dollars* by the mid-2030s.**

TRANSFERABILITY

UT Course Code: PHY 309L

3 College Credits

PRE-REQUISITES

Algebra I

Geometry

Recommended:

Algebra II or Precalculus

No test or application required to enroll

QUESTIONS? Learn more at onramps.utexas.edu or speak to your counselor!

**IFI Claims Patent Services, 2016-2020*
***McKinsey & Company, 2020*