

# Are You Ready For The Coming Convergence of A.I. & Quantum Computing?

## INTRO TO QUANTUM COMPUTING

FALL 2025 | M/W 5:00 – 6:15 PM

### YOU WILL LEARN...

- How QC will transform AI and all aspects of Info. Science
- Major algorithms (*incl. the one that can break Bitcoin...  
Bye bye, Crypto!*)
- Various competing platforms for implementation
- QC circuits & run simple ones on real QC hardware

### SOFT PRE-REQUISITES

- Familiarity with linear algebra
- Familiarity with Python

### LEARNING MATERIALS

- Textbook (not required)
- All materials will be provided

### COURSE STRUCTURE

- Two lectures a week
- Quizzes/Projects

For more info, contact: [sheyuxun@pnw.edu](mailto:sheyuxun@pnw.edu)



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