

El E 536: Introduction to Quantum Computing

[Electrical and Computer Engineering](#)

Introduction to quantum computing; single-qubit systems; multiple qubit systems; measurement; entanglement; simple quantum gates; quantum versions of classical computations; quantum algorithms; running simple codes on a quantum computer or simulator.

3 Credits

Prerequisites

- Prerequisite: Junior standing (60 hr).
- Prerequisite: Engr 310 OR Graduate Standing

Instruction Type(s)

- Lecture: Lecture for El E 536

Subject Areas

- [Electrical and Electronics Engineering](#)
- [Computer Engineering, General](#)

