

EI E 536: Introduction to Quantum Computing

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: Engr 310 OR Graduate Standing

Instruction Type(s)

Lecture: Lecture for EI E 536

Subject Areas

- Electrical and Electronics Engineering
- <u>Computer Engineering, General</u>

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

