

Electrical and Computer Engineering

College of Engineering and Applied Sciences



Reasons to choose our program...

The **Doctor of Philosophy in Electrical and Computer Engineering** equips students to advance the current state of knowledge in a wide variety of rapidly growing fields, while preparing them for advanced work in academia or industry. In addition to conducting research under the guidance of a faculty mentor, there are opportunities for students to develop their teaching skills. The department fosters an environment of engagement, innovation and technical leadership.

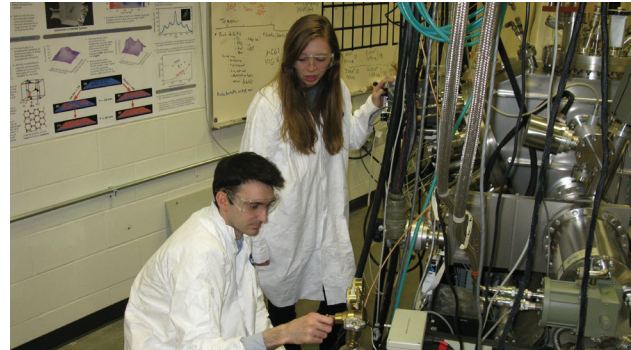
Research and Program Focus Areas

Department faculty have a strong record in funded research and scholarly activity. Current faculty research areas include:

- Biomedical engineering
- Circuits and systems
- Communications and networking
- Computer architecture and systems
- Control systems
- Electric power and energy conversion
- Fuzzy logic
- Image processing
- Medical electronics
- Neural networks
- Parallel computing
- Power electronics systems
- Printed electronics
- Real-time embedded systems
- Reconfigurable digital systems
- Semiconductor materials
- Sensors and nanotechnology
- Signal processing

Funding

A limited number of graduate assistantships are awarded through a selective and highly competitive process.



Points of Pride

- Faculty are internationally recognized experts in their fields of study.
- Dedicated laboratories support work in faculty research areas.
- Additionally, the department houses instructional laboratories in electric circuits, digital logic, energy conversion systems, microcomputer systems and programmable digital systems and digital and analog electronics.

Admission

Domestic and International Deadlines

Fall: April 1

Spring: Oct. 1

Department of Electrical and Computer Engineering

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