

Program Highlights

UNO offers concentrations in [Computer Engineering](#) and [Electrical Engineering](#).

The [Computer Engineering](#) concentration focuses on the design of computers, computer system components, and using computers in advanced applications. Students with this concentration will have job opportunities with companies in the rapidly expanding high-tech computer and information technology (IT) industries.

Our [Computer Engineering](#) concentration:

- is competitive with top programs in the nation
- is oriented towards demands of industry
- provides skills to compete in all job markets
- is progressive and considers future trends

We offer three threads in [Computer Engineering](#):

- firmware thread that focuses on issues related to operating systems and embedded systems
- low-level computer hardware/architecture thread that emphasizes chip design
- high-level hardware/architecture thread related to high level design and embedded microprocessors.

The [Electrical Engineering](#) concentration includes exciting new technologies such as robotics, signal and data processing, image and vision systems, artificial intelligence, and communications and audio systems. It also includes the traditional and foundation areas of electrical engineering like power systems, energy, electric machinery, electronics, optics, and controls.

Students who graduate with either of these concentration have job opportunities with companies in well established industries like energy, communications, consulting, process controls, defense, design, and manufacturing.

Our programs benefit from strong relationships with local industry and business development agencies.

Do you have the desire and motivation to become an Electrical or Computer Engineer?

Contact us to learn more

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Electrical Engineering Concentration

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Department of Electrical Engineering

Studies in Computer and Electrical Engineering



Educating you on how to solve electrical and computer engineering problems so you can design and lead the technology of the future.

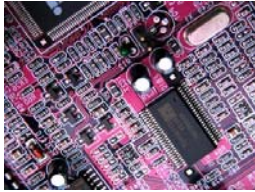
<http://ece.engr.uno.edu>



Computer Engineering

- Computer Engineers are leaders of the technological revolution brought about by computers.
- Computer systems are ubiquitous: on your desktop, microwave ovens, cellular phones, cars, space shuttles, robots, etc.
- It's difficult to do anything today without benefiting from computer systems.

Undergraduate Research Opportunities



Electrical Engineering

- From medical applications to space exploration, there's hardly a field that has not been improved by Electrical Engineering.
- Jobs in communications, power, electronics, optics, signal and image processing, computer systems, robotics, manufacturing, and more.
- An Electrical Engineering degree prepares you for an exciting career in design.

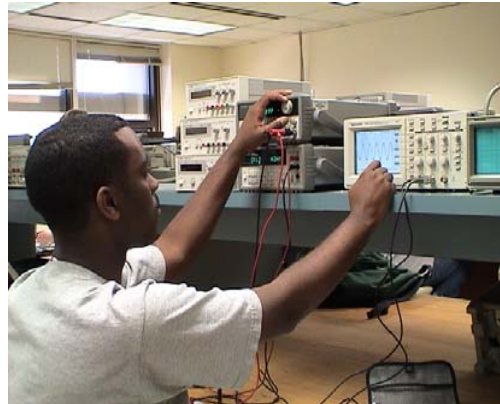
Careers in Electrical and Computer Engineering offer numerous incentives and perks.

Flexible evening schedule and 4-year day program



What type of person should choose Electrical Engineering?

- Electrical engineering is a challenging, hard working, and very rewarding field that requires a certain type of person to really be successful in its practice.
- Are you good at math? Do you like science? Do you want to understand how things work? Do you like to build things? Do you enjoy taking things apart? Are you fascinated by electricity and magnetism? Are you good working with computers? If you can answer yes to most of these questions, then electrical engineering would be a good career choice.
- First you need to study hard in school, especially in mathematics and science. You should also get as much computer experience as possible.
- Engineers need to communicate effectively, so work hard in your English courses, too! Don't overlook your interests in art, music, and foreign languages — we need engineers who have these creative attributes to provide new inventions and developments.



Merit-based scholarships, primarily funded by local industry and institutions, are available.

Electrical Engineering

Accredited by ABET

Facilities

Electrical Engineering Laboratory facilities:

- Analog and Digital Control Systems
- Industrial Process Controls
- Optics and Fiber Optics
- Communications
- Energy Conversion
- Information and Systems
- Computer Design and Microprocessors
- VLSI
- Digital Logic
- Digital Signal and Image Processing
- Electronic and Electrical Circuits

Other facilities include:

- CERM building
- Michoud and Avondale campuses
- Distance education facilities

Student Projects

- Robotic cars
- Power systems design
- Digital densitometer design
- Load bank testers
- Controlled ball levitator
- Solar vehicles and many more



Urban Location at Lakefront campus