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

Undergraduate Research Opportunities

Flexible evening schedule and 4-year day program

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

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

Flexible evening schedule and 4-year day program