

COMPUTER ENGINEERING

Every year, computing systems become faster, smaller, and more capable.

Behind all that innovation are computer engineers. As a computer engineering major, you will learn about the design and development of computer systems and see how hardware interacts with software. You will understand how computers work and know their full potential.



“The ECE department works for the students. Professors had the door open for us always.”

Rina Binxhiu, Computer Engineering '18
Software Engineer, Dell

How much do you trust your hardware device?

At UIC, Xiaolin Xu teaches an entire course on hardware security and trust, including how to design electronics against invasive attacks, how to detect counterfeit electronics, how to monitor for hardware piracy, and other subjects that are crucial for engineers and for all tech companies, from startups to massive corporations.

The best part? Xu's door is open to undergraduates who are interested in talking about—or even doing some research in—this area.

Visit our [Internships and Jobs and Student Profiles](#) pages at ece.uic.edu to learn more about current students and alumni.



CREATIVITY IN ACTION

For our annual senior design showcase, the UIC Engineering Expo, computer engineering students have created:

- ▶ A “smart name tag” tracking device for children and the elderly
- ▶ An Internet of Things lunch box that can be remotely temperature-controlled
- ▶ A semi-autonomous, ground-driven robot built to explore indoor environments
- ▶ A WiFi-free navigation system for large spaces, such as airports and shopping complexes

With a computer engineering degree, you might:



Create the next generation of supercomputers



Introduce new computing systems into objects we use every day



Devise ways to make smartphones even more powerful

