The newly established graduate programs in Electrical and Computer Engineering (ECE) at the College of Engineering and Applied Sciences were created to educate the next generation of professionals and innovators. Students can study full or part time and choose to focus their studies on communications and networking, signal and information processing, electronic circuits and systems, or computer engineering. The Master of Science program offers both thesis and non-thesis options and is a stepping stone to career advancement or further study.

"Our Graduate Program has a perfect balance between strong theory and hands-on application to make the students ready for the job market. Students get multiple opportunities to work on federally funded research projects or to help in teaching courses depending on their career plans."

DOLA SAHA, ASSISTANT PROFESSOR, ECE

A CAREER THAT CAN TAKE YOU ANYWHERE

Electrical and Computer Engineering is the creative application of engineering principles and methods to the design and development of hardware and software systems. Electrical and Computer Engineers are prepared to work on an extremely broad range of problems including:

- Next Generation Wireless Networks
- Internet Architecture
- Sensor Networks
- Signal and Information Processing
- Control Systems
- Communication Systems
- Microelectronic Circuits
- Devices and Materials
- Computer Graphics and Vision
- Robotics
- Electric Power Systems
- The Smart Grid
- Computer Engineering
- Cyberphysical Systems
WHY ELECTRICAL AND COMPUTER ENGINEERING @UALBANY?

- **FACULTY:** Learn from professors who are experts in their fields and actively working to solve current research problems. We have a diverse faculty, including a higher representation of female faculty than most other ECE programs.

- **RESEARCH:** Exciting innovation in fundamental and applied engineering topics is a critical and integral part of your experience at UAlbany.

- **COST:** Save with tuition rates lower than those at most private universities.

- **PREPARATION:** A wide variety of courses and the ability to build your program of study to meet your career goals.

- **ACCREDITATION:** Earn your Master’s or Ph.D. degree from a regionally accredited institution.

- **LOCATION:** Live in proximity to New York’s Tech Valley and take advantage of numerous internship and job opportunities available within the public and private sectors of this innovative region.

- **NETWORK:** Gain access to an invaluable network of leading professionals in the field of electrical & computer engineering.

OUR STUDENTS PUT THEIR SKILLS TO WORK

The M.S. program offers students the opportunity to select from a wide variety of courses and to immediately apply what they learn while performing research with world-class faculty. UAlbany is a Carnegie R1 research university and the faculty in Electrical and Computer Engineering perform research covering wide range of topics including:

- **SMART AND CONNECTED COMMUNITIES**
- **WIRELESS AND OPTICAL COMMUNICATIONS AND NETWORKING**
- **ANALOG AND DIGITAL INTEGRATED CIRCUITS**
- **MICROWAVE REMOTE SENSING**
- **POWER ELECTRONICS AND SYSTEMS**
- **MEDICAL INSTRUMENTATION AND CYBERPHYSICAL SYSTEMS**
- **DECISION MAKING UNDER UNCERTAINTY**
- **ROBOTIC MANIPULATION OF FLEXIBLE OBJECTS**

For more information on the Masters in Electrical and Computer Engineering, visit [http://www.albany.edu/graduate](http://www.albany.edu/graduate) or contact The Graduate School at graduate@albany.edu or (518) 442-3980.