ELECTRICAL & COMPUTER ENGINEERING GRADUATE PROGRAMS

WHO WE ARE
The Department of Electrical and Computer Engineering (ECE) at the University of Massachusetts Lowell offers graduate programs leading to Master of Science (M.S.), Doctor of Engineering (D.Eng.) and Doctor of Philosophy (Ph.D.) degrees. Our research is funded by the National Science Foundation, the Air Force Office of Scientific Research, the Defense Advanced Research Projects Agency, the Office of Naval Research and various companies, including Raytheon and Intel.

FIELDS OF SPECIALIZATION
Our experienced faculty has active research programs in a diverse number of specialization areas including:

- Communications
- Computer architecture
- Control systems
- Digital signal processing
- Distributed networking
- Embedded systems
- Metamaterials
- Optoelectronic devices
- Power distribution
- Printed Electronics
- Alternative energy sources
- Nanotechnology

RESEARCH CENTERS AND LABORATORIES
Research Centers
Advanced Electronics Technology Center, Center for Advanced Computation and Telecommunications, Center for Machine/Human Intelligence, Networking and Distributed Systems, Center for Electric Cars and Energy Conversion, Center for Photonics, Electromagnetics and Nanoelectronics, Raytheon-UML Research Institute

Research Labs
Advanced Digital Systems Design and Microprocessors Laboratory, Battery Evaluation Laboratory, Computer Architecture Laboratory, Distributed Semiconductor Industrial Processing Laboratory, Electric Vehicle Laboratory, Electromagnetic and Complex Media Laboratory, Microwave Laboratory, Networking, Artificial and Machine Intelligence and Computer Vision Laboratory, Renewable Energy Laboratory, Computer Architecture and Network Systems Laboratory, VLSI Design Laboratory

ADMISSION REQUIREMENTS
All applicants for either the M.S., D.Eng., or Ph.D. programs in electrical engineering must take the GRE general examination. Official transcripts and three letters of recommendation must be submitted along with the graduate application. Foreign students without a bachelor’s degree from a U.S. institution are required to take the TOEFL examination. After the minimum requirements are met, the EE Graduate Committee evaluates each case on an individual basis.

FINANCIAL SUPPORT
A number of ECE Department Teaching Assistant (TA) positions are available for doctoral students. Research Assistant (RA) positions may be awarded to incoming students who have outstanding credentials. The students are also encouraged to seek out faculty members whose research fields closely match the area in which they would like to pursue their degree.

DEADLINES
Although there are no deadlines to apply, in order to be considered for a department Teaching Assistantship, applications for the Fall semester must be completed by February 15.

CONTACTS
For more information on the Electrical and Computer Engineering Graduate Programs, please visit: www.uml.edu/ecegrad

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Want more information? Go to: www.uml.edu/ecegrad