

Electrical and Computer Engineering

The ECE department offers a non-thesis, coursework-only masters degree. A candidate receives the Master of Science (M.S.) degree by successfully completing a set of courses, online or on campus, approved by a major professor or the ECE Graduate Program Officer (GPO). The applicant must hold a bachelor's degree or its equivalent from an institution of recognized standing. All applicants must submit GRE (Graduate Record Examination) scores for the General Test, and TOEFL (Test of English as a Foreign Language) scores in the case of international applicants.

Minimum Requirements for Master of Science Degree

- ▶ A minimum of 33 semester hours of graduate 6000/7000/8000 level course work
- ▶ A minimum of 21 semester hours in the major area
- ▶ A minimum of 24 semester hours taken at Auburn University

Additional Electrical and Computer Engineering Requirements

- ▶ At least 18 semester hours of ECE graduate courses, excluding 7900 and seminar, must be taken. A deviation from this requirement may be allowed, as appropriate, with the approval by the major professor and department chair.
- ▶ At least one course must be taken in three of the six research areas:
 - Computer Systems (62x6, 72x6, 82x6, 6156)
 - Electromagnetics (63x6, 73x6, 83x6)
 - Communications (64x6, 74x6, 84x6, 6106, 6116, 6126)
 - Control Systems (65x6, 75x6, 85x6)
 - Power Systems (66x6, 76x6, 86x6)
 - Electronics (67x6, 77x6, 87x6, 6136)
- ▶ No more than three semester credits of independent study (ELEC 7900 or equivalent) can be included.
- ▶ 7980 cannot be included
- ▶ 7990 cannot be included

A formal plan of study must be approved by the student's major professor and the department chair, and filed with the Graduate School.

List of online courses

ELEC 6256 Computer Aided Design of Digital Circuits
ELEC 6266 Embedded Computing Systems
ELEC 6346 Microwave and RF Engineering
ELEC 6416 Digital Signal Processing
ELEC 6626 Power System Analysis
ELEC 6636 Electric Machines
ELEC 6656 Power System Protection
ELEC 6766 Solid State Sensors
ELEC 6816 Computed Imaging Systems
ELEC 6976 Power Quality

ELEC 7456 Digital Image Processing
ELEC 7506 State Variable Analysis of Systems
ELEC 7566 Nonlinear Systems and Control
ELEC 7626 Power System Operation
ELEC 7976 Photovoltaics
ELEC 8566 Adaptive Control

Application Procedures

- ▶ Fill out the online graduate application at app.applyyourself.com/?id=auburn-g (you will be required to create an account)
- ▶ Provide GRE scores (also TOEFL scores if international), resume, statement of purpose, and three letters of recommendation
- ▶ For more information, visit grad.auburn.edu

Application Deadlines (Late applications will be reviewed at the next deadline)

Fall Semester

Domestic Applicants - May 1

Spring Semester

Domestic Applicants - September 15

www.eng.auburn.edu/ece