

# MS in Electrical and Computer Engineering

## Admission Requirements

Applications for admission are individually evaluated by the Graduate Admissions Committee. A complete set of transcripts of all undergraduate and graduate work is required before an application is evaluated for admission. In addition to the application requirements of the Office of Admissions and the policies set by the Graduate College, applicants should meet program requirements for admission. Meeting minimum requirements does not, however, guarantee admission. Program requirements are given below:

- **Baccalaureate Field** Electrical or computer engineering, or other closely related curriculum.
- **Grade Point Average** At least 3.00/4.00 for the final 60 semester hours (90 quarter hours) of undergraduate study is expected.
- **Tests Required** All international applicants should report general test scores of GRE. Applicants with a bachelor's degree from an accredited U.S. institution are not required to provide GRE scores; however, GRE scores may improve prospects for financial aid.
- **Minimum English Competency Test Score**
  - **TOEFL** 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Test); 60, with subscores of Reading 19, Listening 17, Writing 21 (revised Paper-Delivered Test), **OR**,
  - **IELTS** 6.5, with subscores of 6.0 for all four subscores, **OR**,
  - **PTE-Academic** 54, with subscores of Reading 51, Listening 47, Speaking 53, and Writing 56.
- **Letters of Recommendation** Not required for admission unless specifically requested by the Graduate Admissions Committee after reviewing academic and other credentials.
- **Personal Statement** Not required.
- **Deadlines** The application deadline is the same as the Graduate College deadline for each term.

## Degree Requirements

In addition to the Graduate College minimum requirements, students must meet the following program requirements:

- **Students must complete one of the two options.**

### I. Thesis Option

- 36 hours total

Code	Title	Hours
<b>Course Work (28 hours)</b>		
Select 12 hours at ECE 500 level		
Excluding ECE 596, ECE 598, and ECE 599		
Remaining 16 hours at 400 or 500 level		
12 hours must be in ECE rubric		
Up to 4 hours of non-ECE graduate course work, completed with prior department approval, may be applied toward the MS degree.		

A Computer Engineering (CE) student may fulfill part of the 500 level ECE course requirement by completing up to 4 hours of graduate course work at the 500 level in the CS department, excluding CS 595, CS 596, CS 597, CS 598, and CS 599. CS course must be completed with prior department approval. This course does not count against the limit of non-ECE course work allowed.

Additional courses	
ECE 598	M.S. Thesis Research (8 hours)
ECE 595	Departmental Seminar (at least one semester)

### II. Course-Work-Only Option

- 40 hours total

Code	Title	Hours
<b>Course Work (40 hours)</b>		
Select 16 hours at the ECE 500 level		
Excluding ECE 596, ECE 598, and ECE 599.		
Remaining 24 hours at 400 or 500 level.		
16 hours must be in ECE rubric.		
Up to 8 hours of non-ECE graduate course work, completed with prior department approval, may be applied toward the MS degree.		
A Computer Engineering (CE) student may substitute up to 4 hours of 500-level ECE course work with 400-level ECE course work if the student completes the same number of hours of non-ECE course work at the 500 level in the CS department, excluding CS 595, CS 596, CS 597, CS 598, and CS 599. CS course must be completed with prior department approval. This course does count against the limit of non-ECE course work allowed.		
Additional courses		
ECE 595	Departmental Seminar (at least one semester)	

### Other Requirements

- Credit earned in ECE 596 may not be applied toward the MS degree.
- No graduation credit will be given for credit/no credit courses.
- **Comprehensive Examination** None.
- **Thesis, Project, or Course-Work-Only Options** Thesis or course work only. No other options are available.
  - *Thesis:* Thesis students must earn 8 hours in ECE 598; no more than 8 hours of ECE 598 may be applied toward the degree.