

## Computer Engineering

Thank you for your interest in the Computer Science & Engineering Graduate Program at the University of North Texas.

Priority dates for applying are as follows: **Fall Semester- April 15th** **Spring Semester- October 15<sup>th</sup>**

All materials for your application, including all official test scores and transcripts, should arrive at the Graduate School admissions office by these dates in order to be processed in time for consideration and admission. You must request official GRE/TOEFL scores early to ensure that they arrive by the dates above.

### MINIMUM REQUIREMENTS FOR ADMISSION

Effective: August 1<sup>st</sup>, 2005

All students<sup>1</sup> applying for graduate study, Master's or PhD, must have completed a 4-year bachelor's degree, and **must** take the **GRE** test. **GRE** guidelines are based on statistics for all GRE scores of students interested in graduate study in Computer Science & Engineering, as released by ETS (the Educational Testing Services). These statistics change as new figures are released by ETS. In addition, international applicants who do not have a previous degree from a U.S. institution must take the **TOEFL** exam. It is the student's responsibility to have official scores sent from ETS to the University of North Texas and those scores must be **received by the priority date** in order to be processed and considered for admission that semester. *If you do not meet the minimum English requirements, you will have the option of registering for the Toulouse Graduate School IELI program.* <https://international.unt.edu/content/why-wait>

### TYPICAL SCORES FOR SUCCESSFUL APPLICANTS

#### Master's Applicants:

**GRE**  
Verbal 148 – 36%  
Quantitative 155 – 61%  
Analytical 3.5

**TOEFL:** 557 written exams / 79 Internet-based  
**IELTS:** 6.0  
**GPA:** 3.0 in prior work  
**Letters of Recommendation:** None required

#### Doctoral (PhD) Applicants:

**GRE**  
Verbal 151 – 49%  
Quantitative 156 – 65%  
Analytical 4.5

**TOEFL:** 557 written exams / 83 Internet-based  
**IELTS:** 6.5  
**GPA:** 3.5 in prior work  
**Letters of Recommendation:** 3  
**Statement of Purpose:** yes

A prior Computer Science and Engineering degree is not required for admission to the Master's program, but the admission committee will look for evidence that the applicant has a good chance of thriving in a scientific graduate program.

**Admission is competitive and based on the number of positions available in our program.**

### MAINTAINING GRADUATE STANDING

All graduate students are expected to make satisfactory progress toward a degree. An overall B average must be maintained, and two courses per year (not previously attempted) must be completed or evidence submitted showing activity in thesis or dissertation work.

For the M.S. degree, all requirements must be completed within six years from the date of admission.

Any provisionally admitted student who fails to fulfill the requirements specified at admission or any student who for two successive semesters fails to maintain at least a B average will be dropped from the program, unless after a review of the student's overall record, it is the opinion of the Graduate Committee that the student has demonstrated sufficient potential to pursue the graduate program successfully. In this case, probationary status will be granted for one semester.

### FINANCIAL ASSISTANCE

Teaching Assistantship or Teaching Fellow (TA/TF) positions are offered to current Computer Science & Engineering majors who are attending classes at UNT. Prospective students are welcome to apply, **but these positions are very rarely offered to potential new students**, and preference generally goes to PhD students. Research Assistant (RA) positions are selected by the individual professors from their current students. Students must submit a completed TA/TF Assistantship Application Form, **separate from the Admission Application form**, to the Computer Science & Engineering Department. The application form is available on the website at <https://computerscience.engineering.unt.edu/webforms/assistantship-application>.

<sup>1</sup> Except Graduates of the Department of Computer Science & Engineering at The University of North Texas

# Master's Degree Requirements

## Computer Engineering

The Computer Science and Engineering Department offers two Master's Degree options:

**Option A:** Thesis Option (30 hours, including thesis). Leveling and Internship courses cannot be counted toward the degree plan hours.

**Option B:** Course Option (33 hours that may include 3 hours of project or 6 hours of problem in lieu of thesis). Leveling and Internship courses cannot be counted toward the degree plan hours.

To qualify for the master's degree, the student must earn a grade of B or better in each of the core courses.

### Course Selection

Computer Engineering Master's students are required to take one course from each of the four groups listed below:

- The remaining courses and areas of specialization are selected in consultation with the student's advisor. Recommended classes for specialty areas can be found on our website:  
<https://computerscience.engineering.unt.edu/graduate/students>
- No more than 3 hours in non-organized courses (such as directed study or special problems) will be permissible.
- Leveling course(s) are typically required if the applicant does not have a BS with a major in computer engineering.

#### Group A

- CSCE 5510 - Wireless Communications
- CSCE 5520 - Wireless Networks and Protocols
- CSCE 5580 - Computer Networks

#### Group B

- CSCE 5160 - Parallel Processing and Algorithms
- CSCE 5610 - Computer System Architecture
- CSCE 5640 - Operating System Design

#### Group C

- CSCE 5440 - Real-Time Software Development
- CSCE 5612 - Embedded Hardware & Software Design
- CSCE 5620 - Real-Time Operating Systems

#### Group D

- CSCE 5730 - Digital CMOS VLSI Design
- CSCE 5740 - Topics in Modern Electronic System Design
- CSCE 5760 - Design for Fault Tolerance

**Only one unorganized course (not less than 3 sch), and up to 2 Internship courses (max 2 sch) may be placed on the MS degree plan. All outside courses must have prior approval by the student's major professor and listed on the degree plan prior to registration.**