

## Computer Science and Engineering PhD Program

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

Deadlines for applying are as follows:

**Fall Semester- January 15th**

**Spring Semester- September 15<sup>th</sup>**

All materials for your application, including all official test scores, letters of recommendation, Assistantship Applications and transcripts, must arrive at the Graduate School admissions office by the dates listed above. You must request official GRE/TOEFL scores early to insure that they arrive by the deadlines. Complete applications received by the deadline will be ranked and the top applicants will be admitted. If you wish to be considered for funding, it is imperative that you meet the deadline.

**If the complete application has not been received by the deadline, it cannot be processed and ranked.**

### MINIMUM REQUIREMENTS FOR ADMISSION

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 deadlines** in order to be considered for admission that semester.

### TYPICAL SCORES FOR SUCCESSFUL APPLICANTS

#### Doctoral (PhD) Applicants:

##### GRE

Verbal	151 - 49%
Quantitative	156 - 65%
Analytical	4.5

**TOEFL: 557 written exams / 90 Internet-based**

**IELTS: 7.0**

**GPA: 3.5 in prior work**

**Letters of Recommendation: 3**

**Statement of Purpose: Yes**

A prior Computer Science & Engineering degree, or substantial Computer Science & Engineering experience, is required of Ph.D. applicants.

**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 dissertation work.

Students accepted in the Ph.D. program must be admitted to candidacy within two to three years from their date of admission to the Ph.D. program depending on whether or not the student already has a Master's degree. After admission to candidacy, all requirements, including the dissertation and the final oral exam, must be completed within five additional years.

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.

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

## 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. 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 <http://www.cs.unt.edu/~gradinfo/assist.pdf>. The complete application has to arrive to the department by the appropriate deadline to be considered. All application materials (including official test scores, letters of recommendation, Admission applications, and transcripts received **before** the following deadlines: **Fall Semester: January 15th** **Spring Semester: September 15th**

### Ph.D. Degree Requirements

In addition to satisfying the general requirement for all UNT doctoral degrees listed in the Graduate Catalog, each Ph.D. student must satisfactorily complete the following:

1. **A minimum of 6 hours of 6000 level organized courses** in Computer Science and Engineering beyond the M. S. degree in Computer Science and Engineering or equivalent (**30 hours of organized courses in CSE**).
2. **The residence requirement**, consisting of two consecutive terms/semesters of enrollment in at least 9 semester hours, or 3 consecutive terms/semesters of enrollment in at least 6 semester credit hours.
3. **PhD Qualifying Requirements:**
  - a. A student shall complete with a grade of B or higher, a theoretical course such as Analysis of Algorithms, that is recommended/approved by the student's PhD committee.
  - b. Formation of a PhD committee:
 

PhD student entering w/MS:	after completion of 18-27 sch
PhD student entering w/BS:	after completion of less than 40 sch

    - The CSE PhD committee will consist of the student's advisor (major professor in CSE) and at least three (3) additional members. You may have outside members on your committee, but the committee must have more CSE members than outside members.
  - c. Student must have a copy of their Degree Plan, complete and approved by the Graduate School within the first academic year.
  - d. An oral exam to be conducted by the student's PhD committee to assure the research readiness of the candidate. The format of this Oral exam is to be determined by the student's PhD committee.
4. **Dissertation Proposal Defense:** An oral presentation of a detailed research plan. The research plan (prospectus) is distributed to the committee well in advance and an examination announcement will be distributed for interested graduate faculty and students.
5. **Dissertation Defense:** Upon completion, the dissertation is to be distributed to the committee members at least 4 weeks prior to the final examination date. The candidate will prepare a formal presentation of their dissertation research and results to be defended during an oral exam.
6. **Upon completion of the Dissertation Defense**, the student shall be required to present a departmental colloquium upon completion of all other Ph.D. requirements. The colloquium is deemed to be different from the dissertation defense and shall prepare the candidate to present their research to a broader audience.

**PhD Milestone Chart - Time to Completion**

	Committee Appointment	Degree Plan	Qualifying Oral Exam	Topic Proposal	
Completion	18-27 schs	18 sch	30 schs	36	w/Master's
Expectation	<40 sch	18 sch	50-60 schs	~60 schs	w/o MS

**Pass- Through Master's** (30 hours of course work) Pass-through degree only. Students who have completed the comprehensive exams may apply for this option after the completion of 40 hours in the doctoral program. **Please discuss this with your Major Professor before contacting the Graduate School.**