PhD in Computer Science

Admission Requirements

Applications are considered on an individual basis by the Graduate Admissions Committee. A complete set of transcripts of all undergraduate and graduate work is required before an applicant is considered. In addition to the application requirements of the Office of Admissions and the policies set by the Graduate College, applicants must meet the following program requirements:

• **Prior Degrees** Computer science or computer engineering. Outstanding candidates from other related fields will also be considered. Outstanding candidates holding a bachelor’s degree in computer science can be considered for admission to the direct PhD program.

• **Grade Point Average** At least 3.50/4.00 for the final 60 semester hours (90 quarter hours) of undergraduate study.

• **Tests Required** GRE General scores are recommended for all applicants and required for financial aid applicants and all applicants with degrees from outside the U.S. A total score of 1200 or above on the GRE General Exam: 500+ verbal, 700+ quantitative, and 4.5+/6.0 analytical (for tests taken before August 2011); or a combined total of 308: 153+ verbal, 155+ quantitative, and 4.5/6.0 analytical (for tests taken August 2011 or after). All international students are required to submit Test of English as a Foreign Language (TOEFL), IELTS (International English Language Testing System), or PTE-Academic scores as well.

• **Minimum English Competency Test Score**
  - TOEFL 570 PBT; 80, with subscores of Reading 19, Listening 17, Speaking 20, and Writing 21 (iBT Internet-based), 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** Three required.

• **Personal Statement** Required.

• **Deadlines** The application deadline is the same as the Graduate College deadline; the deadline for applicants who want to be considered for funding can be found on the Graduate College website at http://grad.uic.edu/deadlines. Department financial aid decisions (TA/TFW) are made about the middle of March.

Exceptional applicants who have completed a Bachelor of Science degree in Computer Science, or a related field, and wish to pursue a PhD will be considered for Direct PhD Admission. Such students will pursue the PhD degree without the requirement of first completing a master’s degree. All students seeking this option must submit three letters of recommendation, a resume, and statement of purpose. Direct PhD Admission is competitive. For fullest consideration, any student seeking this admission should adhere to the early deadlines listed on the Graduate College website. See the section below for details on the course and research graduation requirements.

Degree Requirements

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

• **Minimum Semester Hours Required** 108 from the baccalaureate.

• **Course Work**
  - **Students Admitted with Prior Master’s Degree in CS or a Related Field:** Must complete a minimum of 24 hours of credit (6 courses) in CS or non-CS graduate course work. Credit for non-CS course work must have prior department approval. Of the 24 hours, at least 16 hours must be CS course work at the 500-level, excluding CS 590, CS 595, CS 596, CS 597, CS 598, and CS 599. Any course that is nearly equivalent to one taken in the bachelor’s or master’s program earlier will not earn PhD credit. Credit earned in CS 596 may not be applied toward the PhD degree.
  - **Students Admitted Directly after Bachelor’s Degree in CS or a Related Field:** Must complete a minimum of 32 hours of credit in CS or non-CS graduate course work. Credit for non-CS course work must have prior department approval. Of the 32 hours, at least 16 hours must be CS course work at the 500-level, excluding CS 590, CS 595, CS 596, CS 597, CS 598, and CS 599.

• **Other Requirements**
  - **Research Methods:** Required. Candidates must earn 4 hours in CS 590 within the first two years of enrollment.
  - **Colloquium:** Candidates are required to take ten colloquia with first two years of enrollment. Dissertations are acceptable.

• **Examinations**
  - **Departmental Qualifying Examination:** Required; written.
  - **Preliminary Examination:** Required; oral.

• **Dissertation** Required. Candidates must earn CS 599 credit of at least 48 hours beyond a master’s degree and at least 72 hours beyond a bachelor’s degree.

Support

The department offers guarantees of multiple-year teaching and/or research assistantships each year to highly qualified, new PhD students. These assistantships will provide a stipend of at least $17,393 per academic year, plus tuition and fee waivers.